

Run Date: 04/29/2015

AZ DEPARTMENT OF WATER RESOURCES

WELL REGISTRY REPORT - WELLS55

Location	D 15.0 14.0 6 C B D	Well Reg.No	55 - 224069	Cancelled	AMA TUCSON AMA
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Registered Name	RIO VIEJO PARTNERS, LLC 2455 E. SPEEDWAY BLVD., #101 TUCSON AZ 85719	File Type	NEW WELLS (INTENTS OR APPLICATIONS)
		Application/Issue Date	10/24/2014

Owner	OWNER	Well Type	EXEMPT
Driller No.	621	SubBasin	UPPER SANTA CRUZ
Driller Name	AZCA DRILLING & PUMP, INC.	Watershed	SANTA CRUZ RIVER
Driller Phone	928-923-9118	Registered Water Uses	DOMESTIC
County	PIMA	Registered Well Uses	WATER PRODUCTION
Parcel No.	140-19-2770	Discharge Method	NO DISCHARGE METHOD LISTED
Intended Capacity GPM	35.00	Power	NO POWER CODE LISTED

Well Depth	0.00	Case Diam	0.00	Tested Cap	0.00
Pump Cap.	0.00	Case Depth	0.00	CRT	
Draw Down	0.00	Water Level	0.00	Log	
		Acres Irrig	0.00	Finish	NO CASING CODE LISTED

Contamination Site: YES - TUCSON INTERNATIONAL AIRPORT

Tribe: Not in a tribal zone

Comments 5418 S. Park Ave., Tucson, AZ 85706
Revised legal description per county parcel map, 10/28/14 - bew
HOLD - Per Gregory Moore, he will mail 454-454(D) Requesting Exemption #2, driller's estimate, City of Tucson Water hook-up fee, and map showing well is not near WQARF site, review, today, 10/28/14 - bew

Current Action

4/2/2015	500	APPLICATION DENIED
Action Comment: sm (Letter in File)		

Action History

12/10/2014	200	NOI SENDBACK TO APPLICANT
Action Comment: dgc		
12/10/2014	415	LEGAL APPLICATION REVIEW COMPLETE
Action Comment: dgc		
11/28/2014	205	NOI SENDBACK RECEIVED
Action Comment: dgc		
11/10/2014	200	NOI SENDBACK TO APPLICANT
Action Comment: dgc - request for more information		
11/5/2014	205	NOI SENDBACK RECEIVED
Action Comment: dgc for bew - 454 exemption received. Handed off to DGC for WQ reveiw		
10/28/2014	880	CHANGE IN REMEDIAL ACTION SITE CODE
Action Comment: OLD WQARF code: NPDOD WITHIN 1 MI OF A NPL/DOD SITE		
10/28/2014	855	CHANGE OF WELL LEGAL DESCRIPTION
Action Comment: OLD LEGAL DESC: D(15.0-14.0) 6 000		
10/28/2014	200	NOI SENDBACK TO APPLICANT
Action Comment: dgc for bew- requested 454 exemption form		
10/24/2014	150	NOI RECEIVED FOR A NEW PRODUCTION WELL
Action Comment: bew		

ARIZONA DEPARTMENT OF WATER RESOURCES

NOTICE OF RIGHT TO APPEAL AGENCY ACTION

I. Right to Request Hearing

You have the right to request a hearing on the agency action described in the enclosed document. To request a hearing, you must file a notice of appeal with the Docket Supervisor, Arizona Department of Water Resources, 3550 North Central Avenue, Phoenix, Arizona 85012 within thirty (30) days from the date of your receipt of the enclosed document. A Notice of Appeal form is enclosed. Pursuant to A.R.S. § 41-1092.03(B), the grounds for appeal by a party who will be adversely affected by the agency action and who exercised a right provided by law to comment on the action is limited to the issues raised in the party's comments.

If you file a timely notice of appeal, a hearing will be scheduled and you will be given written notice of the time and place for the hearing at least thirty (30) days before the hearing date. The date scheduled for the hearing may be advanced or delayed on the agreement of the Department and the parties to the action or on a showing of good cause. **If no party files a notice of appeal within thirty days from the date of receipt of the enclosed letter, the agency action described in the letter will become final and will not be subject to judicial review.**

II. Right to Request Informal Settlement Conference

If you file a timely notice of appeal as described above, you will have the right to request an informal settlement conference. A request for an informal settlement conference must be in writing and must be filed with the Docket Supervisor, Arizona Department of Water Resources, 3550 North Central Avenue, Phoenix, Arizona 85012 not later than twenty (20) days before the hearing date. The enclosed Notice of Appeal form includes a place for you to request an informal settlement conference. If you file a timely request for an informal settlement conference, the Department will give you written notice of the time and place for the settlement conference. An informal settlement conference must be held within fifteen (15) days after the request is filed.

If an informal settlement conference is held, a person with the authority to act on behalf of the Department will represent the Department at the conference. The parties participating in the settlement conference will waive their right to object to the participation of the Department's representative in the final administrative decision. Statements, either written or oral, made by the appellant at the conference, including a written document, created or expressed solely for the purpose of settlement negotiations, are inadmissible in any subsequent administrative hearing.

III. Agency Contact Person

If you have any questions regarding the appeals process, or the process for requesting an informal settlement conference, please contact the Docket Supervisor at (602) 771-8472.

APR 17 2015

**ARIZONA DEPARTMENT OF WATER RESOURCES
NOTICE OF APPEAL OF AGENCY ACTION**

LEGAL
DEPT OF WATER RESOURCES

WEN # 55-224069

1. Party filing this notice of appeal:

Name: RIO VIEJO PARTNERS, LLC
 Address: 2455 E. SPEEDWAY #101 TUCSON, AZ 85719
 Phone No: (520) 926-4858 Email address: N/A

2. The following action of the Department of Water Resources is being appealed:
(Please attach a copy of the letter which advised you of the action.)

THE LETTER IS IN YOUR FILE ON THIS MATTER.
APPEAL THE DENIAL BY ADWR OF THE SUBMITTED COST FOR TUCSON
WATER TO SUPPLY SERVICE TO THE RIO VIEJO APARTMENTS FROM
TUCSON WATERS WEB SITE.

3. The following is a concise statement of the reason(s) for the appeal:

(If you need additional space, please attach a separate page. Note: Pursuant to A.R.S. § 41-1092.03(B), the grounds for appeal by a party who will be adversely affected by an agency action and who exercised a right provided by law to comment on the action is limited to the issues raised in the party's comments.)

WE ARE UNABLE TO OBTAIN A WRITTEN QUOTE FROM TUCSON
WATER THAT SATISFIES THE REQUIREMENTS OF ADWR. WE
HAVE SUBMITTED INFORMATION FROM TUCSON WATERS WEB SITE BUT
IT IS NOT ACCEPTABLE TO ADWR.

4. Pursuant to A.R.S. § 41-1092.06, the appealing party may request an informal settlement conference. Such a request must be made no later than 20 days before the hearing. If an informal settlement conference is requested, the conference will be held within 15 days after the request is received by the agency.

The person filing this notice of appeal requests an informal settlement conference at this time
(check one):

Yes X No _____

Note: A person who participates in an informal settlement conference waives the right to object to the participation of the Department's representative in the final administrative decision. A.R.S. § 41-1092.06(B).

5.

Gregory Moore
 Signature of filing party

Date:

4/15/15

GREGORY MOORE
 Print or type name

Include title if applicable

FILING OF FORM: A party who desires to file a notice of appeal must complete this form and file it with the Docket Supervisor, Arizona Department of Water Resources, 3550 North Central Avenue, Phoenix, Arizona 85012 within thirty (30) days after the date the party received notice of the appealable agency action.

2455 E. Speedway, #101
Tucson, AZ 85719

RETURN RECEIPT
REQUESTED

CERTIFIED MAIL®



7014 2870 0001 6226 1155



1000



85012

U.S. POSTAGE
PAID
TUCSON, AZ
85719
APR 15, 15
AMOUNT

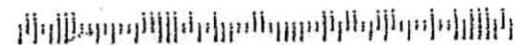
\$6.49

R2304H109824-14

Docket Supervisor
Arizona Dept of Water Resources
3550 N. Central Ave.
Phoenix, AZ 85012

RECEIVED
APR 17 2015
ADWR

85012212950



DOUGLAS A. DUCEY
Governor



THOMAS BUSCHATZKE
Director

ARIZONA DEPARTMENT of WATER RESOURCES
3550 North Central Avenue, Second Floor
Phoenix, Arizona 85012-2105
602.771.8500
azwater.gov

January 27, 2015

Gregory Moore
Rio Viejo Partners, LLC
2455 East Speedway, Suite 101
Tucson, AZ 85719

Subject: Notice of Intent to Drill a Well, Registration #55-224069

Dear Mr. Moore:

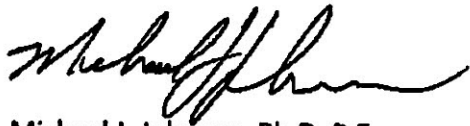
The Arizona Department of Water Resources (Department) received your letter dated January 5, 2015 regarding your *Notice of Intent to Drill, Deepen, Replace or Modify a Well (NOI)*, well registration number 55-224069, pursuant to A.R.S. § 45-596. In your letter, you requested the Department suspend your application until further notice.

By letter dated December 10, 2014, the Department notified you that it had determined the application to be incomplete and incorrect. The letter identified items that needed to be addressed before the Department could continue its review of the application and informed you that failure to submit the requested information within 60 days may result in denial of the application.

Based on the foregoing, and in conjunction with our recent conversation, a 45-day extension is being granted to resolve the deficiencies addressed in the Department's December 10, 2014 correspondence. If the deficiencies cannot be corrected within 45 days from the date of this letter, the application will be denied and you can reapply once the necessary information is obtained.

If you have any further questions, please contact David Christiana, at 602-771-8548, or by email at dgchristiana@azwater.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Johnson", written in a cursive style.

Michael J. Johnson, Ph.D, P.E.
Assistant Director



DOUGLAS A. DUCEY
Governor

THOMAS BUSCHATZKE
Director

ARIZONA DEPARTMENT of WATER RESOURCES
3550 North Central Avenue, Second Floor
Phoenix, Arizona 85012-2105
602.771.8500
azwater.gov

April 2, 2015

Gregory Moore
Rio Viejo Partners, LLC
2455 East Speedway, Suite 101
Oro Valley, AZ 85737

**Re: Decision of the Director to Deny Rio Viejo Partners, LLC
Application for a Notice of Intent to Drill, Deepen, Replace or Modify a Well No. 55-224069**

Dear Mr. Moore:

Please be advised that the Director of the Arizona Department of Water Resources ("Department") has decided to deny the *"Notice of Intent to Drill, Deepen, Replace or Modify a Well"* application No. 55-22445 filed by you on October 24, 2014.

By letter dated December 10, 2014, the Department notified you that it had determined the application to be incomplete and incorrect. The letter identified items to address before the Department could continue its review of the application and further stated that failure to submit the requested information within 60 days (by February 8, 2015) may result in denial of the application.

On January 5, 2015, you submitted a letter requesting the Department "suspend" your application until further notice. The Department responded on January 27, 2015, and agreed to provide an additional 45-day extension (until March 13, 2015) to resolve the outstanding deficiencies. As of March 30, 2015, the Department has not received the requested information. Therefore, the Director hereby denies the application.

You are entitled to appeal this decision. If you wish to appeal this action, you must file a written appeal within thirty (30) days from the date of this letter. I am providing you with a summary of the appeal process and an appeal form, should you elect to pursue this option.

If you have any questions, please contact Stella Murillo, the manager of the Groundwater Permitting and Wells Unit at (602) 771-8594

Sincerely,

A handwritten signature in black ink, appearing to read "Michael J. Johnson", with a long horizontal flourish extending to the right.

Michael J. Johnson, Ph.D, P.E.
Assistant Director

Cc: Stella Murillo, Groundwater Permitting & Wells Unit
Kelly Brown, Deputy Counsel

**Rio Viejo Partners, LLC, an
Arizona Limited Liability Company
2455 E. Speedway, #101
Tucson, AZ 85719
(520) 326-4858
Fax (520) 795-0967**

January 5, 2015

Michael Johnson,
Assistant Director
c/o Arizona Department of Water Resources
P.O. Box 36020
Phoenix, AZ 85067-6020

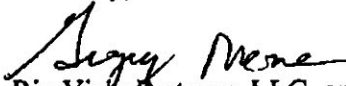
Re: 55-224069

Dear Michael:

Please suspend my application until further notice.

Should you have any questions, please do not hesitate to contact me at (520) 326-4858.

Sincerely,



Rio Viejo Partners, LLC, an Arizona Limited
Liability Company, by Southwest Nonprofit
Housing Corporation, an Arizona
Nonprofit Corporation, its Managing Member,
by Gregory Moore, its President

JAN 07 2015

REQUEST FOR HEARING

OAH Received (OAH USE ONLY)

4/21/15

DATE: 04/21/15

TO:

Casemanagement@azoah.com

Return e-mail (required)

FROM: Sharon Scantlebury

sscantlebury@azwater.gov

1) Docket No. (IT MUST CONFORM WITH OAH PROCEDURES: **15A-GW001-DWR**)

2) Check one:

☐ contested case (agency action not taken pending hearing).

☒ appealable agency action (appeal from agency action). Date party requested hearing: 04/17/15

3) Caption (Required):

In the Matter of the Arizona Department of Water Resources Denial of Rio Viejo Partners, LLC Application for a Notice of Intent to Drill, Deepen, Replace or Modify Well No. 55-224069

4) Requested date and time of hearing* 06/16/15 9:00AM

* The requested date will be accommodated to the extent practicable. However, the requested date MUST be within 60 days of the date a party requested a hearing in an appealable agency action, or within 60 days of this request for hearing in a contested case, UNLESS at least one of the following factors is true (check appropriate box). In the absence of a designated factor, the date will be chosen by OAH within the required 60 days.

☐ All parties agree to a date beyond 60 days

☐ OAH to set case for intervening prehearing within 60 days

5) Approximate predicted length of hearing: 1 day

Complainant/Petitioner/Appellant (or counsel/rep)

(REQUIRED) Name Address

Gregory Moore
Rio Viejo Partners, LLC
2455 East Speedway, Suite 101
Oro Valley, AZ 85737

Respondent/Appellee (or counsel/rep)

(REQUIRED) Name Address

Kelly Brown
Arizona Department of Water Resources
3550 N. Central Avenue
Phoenix, Arizona

(If known) Phone 520-826-4858

(If known) Phone 602-771-8472

(If known) Email

(If known) Email

kbrown@azwater.gov

FOR USE BY OAH ONLY:

Assigned ALJ: Diane Mihalsky

Assigned HEARING

DATE: 6/16/15 TIME: 9:00-5:00 LOCATION: PHX/OAH

Assigned PREHEARING (if applicable)

DATE: _____ TIME: _____ LOCATION: _____

Special Advisement FROM OAH

Special Advisement FROM Agency (need for interpreter/special accommodation, etc.)

REQUEST FOR HEARING

OAH Received (OAH USE ONLY)

4/21/15

DATE: 04/21/15

TO:

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Return e-mail (required)

FROM: Sharon Scantlebury

sscantlebury@azwater.gov

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Complainant/Petitioner/Appellant (or counsel/rep)

Respondent/Appellee (or counsel/rep)

(REQUIRED) Name Address

Gregory Moore
Rio Viejo Partners, LLC
2455 East Speedway, Suite 101
Oro Valley, AZ 85737

(REQUIRED) Name Address

Kelly Brown
Arizona Department of Water Resources
3550 N. Central Avenue
Phoenix, Arizona

(If known) Phone 520-826-4858

(If known) Phone 602-771-8472

(If known) Email

(If known) Email kbrown@azwater.gov

FOR USE BY OAH ONLY:

Assigned ALJ: Diane Mihalsky

Assigned HEARING

DATE: 6/16/15 TIME: 9:00-5:00 LOCATION: PHX/OAH

Assigned PREHEARING (if applicable)

DATE: _____ TIME: _____ LOCATION: _____

Special Advisement FROM OAH

Special Advisement FROM Agency (need for interpreter/special accommodation, etc.)

Rio Viejo Partners, LLC, an
Arizona Limited Liability Company
2455 E. Speedway, #101
Tucson, AZ 85719
(520) 326-4858
Fax (520) 795-0967

April 30, 2015

Stella Murillo, Manager
Groundwater Permitting & Wells
Arizona Department of Water Resources
3550 N. Central Avenue
Phoenix, AZ 85012

Tel: (602) 771-8594
Fax: (602) 771-8690

RE: Well 55-224069

Dear Stella:

After a satisfactory resolution at our informal hearing held on April 30, 2015, I wish to withdraw my request for a formal hearing scheduled for mid-June, 2015.

Sincerely,

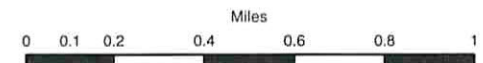


Rio Viejo Partners, LLC, an Arizona Limited
Liability Company, by Southwest Nonprofit
Housing Corporation, an Arizona
Nonprofit Corporation, its Managing Member,
by Gregory Moore, its President

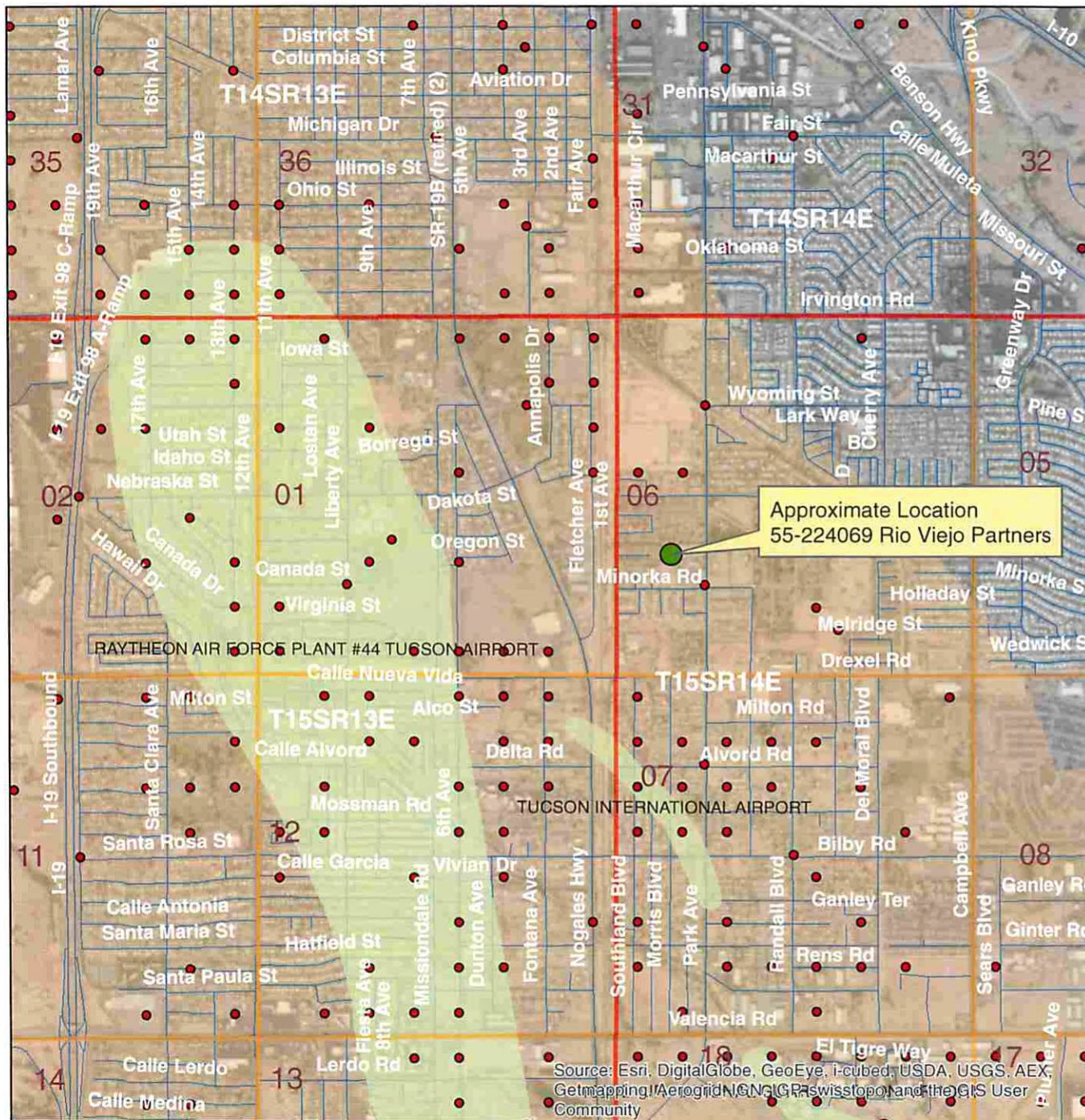
Rio Viejo Partners, LLC NOI To Drill a Domestic Well 55-224069 D(15-14)6CBD

Legend

- Subject Well(s)
- Registered Wells
- Township/Range
- Section
- Remedial Action Site (2014)
- Remedial Action Site Buffer



N
▲ Coordinate System: NAD 1983 UTM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, Swisstopo, and the GIS User Community

**Rio Viejo Partners, LLC, an
Arizona Limited Liability Company
2455 E. Speedway, #101
Tucson, AZ 85719
(520) 326-4858
Fax (520) 795-0967**

January 5, 2015

Michael Johnson,
Assistant Director
c/o Arizona Department of Water Resources
P.O. Box 36020
Phoenix, AZ 85067-6020

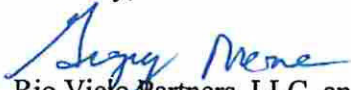
Re: 55-224069

Dear Michael:

Please suspend my application until further notice.

Should you have any questions, please do not hesitate to contact me at (520) 326-4858.

Sincerely,



Rio Viejo Partners, LLC, an Arizona Limited
Liability Company, by Southwest Nonprofit
Housing Corporation, an Arizona
Nonprofit Corporation, its Managing Member,
by Gregory Moore, its President

JAN 07 2015

DOUGLAS A. DUCEY
Governor



THOMAS BUSCHATZKE
Director

ARIZONA DEPARTMENT of WATER RESOURCES
3550 North Central Avenue, Second Floor
Phoenix, Arizona 85012-2105
602.771.8500
azwater.gov

January 27, 2015

Gregory Moore
Rio Viejo Partners, LLC
2455 East Speedway, Suite 101
Tucson, AZ 85719

Subject: Notice of Intent to Drill a Well, Registration #55-224069

Dear Mr. Moore:

The Arizona Department of Water Resources (Department) received your letter dated January 5, 2015 regarding your *Notice of Intent to Drill, Deepen, Replace or Modify a Well* (NOI), well registration number 55-224069, pursuant to A.R.S. § 45-596. In your letter, you requested the Department suspend your application until further notice.

By letter dated December 10, 2014, the Department notified you that it had determined the application to be incomplete and incorrect. The letter identified items that needed to be addressed before the Department could continue its review of the application and informed you that failure to submit the requested information within 60 days may result in denial of the application.

Based on the foregoing, and in conjunction with our recent conversation, a 45-day extension is being granted to resolve the deficiencies addressed in the Department's December 10, 2014 correspondence. If the deficiencies cannot be corrected within 45 days from the date of this letter, the application will be denied and you can reapply once the necessary information is obtained.

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Sincerely,

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Michael J. Johnson, Ph.D, P.E.
Assistant Director

DOUGLAS A. DUCEY
Governor



THOMAS BUSCHATZKE
Director

ARIZONA DEPARTMENT of WATER RESOURCES
3550 North Central Avenue, Second Floor
Phoenix, Arizona 85012-2105
602.771.8500
azwater.gov

April 2, 2015

Gregory Moore
Rio Viejo Partners, LLC
2455 East Speedway, Suite 101
Oro Valley, AZ 85737

**Re: Decision of the Director to Deny Rio Viejo Partners, LLC
Application for a Notice of Intent to Drill, Deepen, Replace or Modify a Well No. 55-224069**

Dear Mr. Moore:

Please be advised that the Director of the Arizona Department of Water Resources ("Department") has decided to deny the *"Notice of Intent to Drill, Deepen, Replace or Modify a Well"* application No. 55-22445 filed by you on October 24, 2014.

By letter dated December 10, 2014, the Department notified you that it had determined the application to be incomplete and incorrect. The letter identified items to address before the Department could continue its review of the application and further stated that failure to submit the requested information within 60 days (by February 8, 2015) may result in denial of the application.

On January 5, 2015, you submitted a letter requesting the Department "suspend" your application until further notice. The Department responded on January 27, 2015, and agreed to provide an additional 45-day extension (until March 13, 2015) to resolve the outstanding deficiencies. As of March 30, 2015, the Department has not received the requested information. Therefore, the Director hereby denies the application.

You are entitled to appeal this decision. If you wish to appeal this action, you must file a written appeal within **thirty (30) days** from the date of this letter. I am providing you with a summary of the appeal process and an appeal form, should you elect to pursue this option.

If you have any questions, please contact Stella Murillo, the manager of the Groundwater Permitting and Wells Unit at (602) 771-8594

Sincerely,

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Michael J. Johnson, Ph.D, P.E.
Assistant Director

Cc: Stella Murillo, Groundwater Permitting & Wells Unit
Kelly Brown, Deputy Counsel

Rio Viejo Partners, LLC, an
Arizona Limited Liability Company
2455 E. Speedway, #101
Tucson, AZ 85719
(520) 326-4858
Fax (520) 795-0967

January 5, 2015

Michael Johnson,
Assistant Director
c/o Arizona Department of Water Resources
P.O. Box 36020
Phoenix, AZ 85067-6020

Re: 55-224069

Dear Michael:

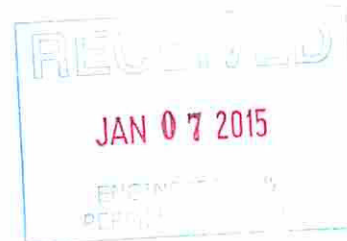
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Should you have any questions, please do not hesitate to contact me at (520) 326-4858.

Sincerely,



Rio Viejo Partners, LLC, an Arizona Limited
Liability Company, by Southwest Nonprofit
Housing Corporation, an Arizona
Nonprofit Corporation, its Managing Member,
by Gregory Moore, its President



JANICE K. BREWER
Governor



MICHAEL J. LACEY
Director

ARIZONA DEPARTMENT of WATER RESOURCES
3550 North Central Avenue, Second Floor
Phoenix, Arizona 85012-2105
602.771.8500
azwater.gov

December 10, 2014

Gregory Moore
Rio Viejo Partners, LLC
2455 East Speedway, Suite 101
Tucson, AZ 85719

Subject: Notice of Intent to Drill a Well, Registration #55-224069

Dear Mr. Moore:

The Arizona Department of Water Resources (Department) received your letter dated November 25, 2014 regarding your *Notice of Intent to Drill, Deepen, Replace or Modify a Well* (NOI), well registration number 55-224069, pursuant to A.R.S. § 45-596. The proposed well is an exempt well, and part of the land on which the well is to be drilled is within 100 feet of the City of Tucson's operating water distribution system (Tucson Water). Because the City of Tucson has an assured water supply designation, the drilling of the well is prohibited by A.R.S. § 45-454 (C), unless one of the exemptions listed in A.R.S. § 45-454(D) applies.

Accompanying the NOI was a *Certification to Drill an Exempt Well within an AMA pursuant to A.R.S. § 45- 454 (C) & (D)* form. On the form, you selected Exemption #2. This exemption, provided by A.R.S. § 45-454(D)(2), allows an exempt well to be drilled on land within 100 feet of the operating water distribution system of a municipal provider with an assured water supply designation if the total capital cost and fees for connection to the operating water distribution system exceed the total capital costs and fees associated with drilling and equipping the exempt well.

In an effort to demonstrate that you qualified for Exemption #2, you included documentation from Tucson Water pertaining to the costs associated with connecting your parcel to its potable water distribution system. The proposal included costs and fees for installing a meter at each

apartment residence along a proposed water main running through your parcel. According to Tucson Water, the individual meters cannot be installed along a private water main, but will be required to be installed at the parcel boundaries closest to the existing water distribution system. Due to the unusual shape and configuration of your parcel, the municipal meters would be placed at the eastern and southern boundaries of the parcel. It is questionable as to whether there is sufficient space for such installation.

In order for the Department to make a determination as to whether you qualify for an exemption pursuant to A.R.S. § 45-454(D)(2), the cost comparison presented must include the total capital cost and fees associated with a viable option to connect to Tucson Water's potable water distribution system. Given Tucson Water's concern described above, the proposal and associated costs currently presented are not the type of cost and fees that may be considered for an exemption under A.R.S. § 45-454(D)(2), given the lack of viability of such a proposal. Based on the foregoing, please provide an updated cost comparison for a viable alternative for connecting your property to Tucson Water's potable water distribution system and the full costs of drilling and equipping a well.

For your convenience, enclosed with this letter are blank replacement *Notice of Intent to Drill, Deepen, Replace or Modify a Well* and *Certification to Drill an Exempt Well within an AMA pursuant to A.R.S. § 45-454(C) & (D)* forms to be completed and submitted to the Department.

Please respond within sixty (60) days of the date of this letter. Failure to submit the information requested within 60 days may result in the denial of the application. The Department's administrative review time frame is suspended until all of the requested information is provided. If you have any further questions, please contact David Christiana, at 602-771-8548 or by email at dgchristiana@azwater.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael J. Johnson", with a long, sweeping horizontal line extending to the right.

Michael J. Johnson, Ph.D, P.E.

Assistant Director

Enclosures: 1. *Notice of Intent to Drill, Deep, Replace or Modify a Well*
 2. *Certification to Drill an Exempt Well within an AMA Pursuant to A.R.S. § 45-454(C) & (D)*

Stella A. Murillo

From: Fred Coy <Fred.Coy@tucsonaz.gov>
Sent: Thursday, December 04, 2014 11:52 AM
To: David G. Christiana
Cc: Chuck Faas; Michael Liberti; Ray Munoz; Richard Sarti
Subject: Rio Viejo apartments
Attachments: Rio Viejo area water system map.pdf; Rio Viejo original plan_drawing_and quote.pdf; Rio Viejo revised plan.pdf

Hi Dave: Thanks for the phone call today. As promised, I scanned some relevant project documents that I am attaching to this email. These would be:

1. The water map of the area around the proposed apartment complex - I have highlighted the parcel. Please note that there are water mains fronting both the east and south property lines. According to our records there are two inactive 1" water services along Park Ave that were installed in 1967, so technically they are already served by Tucson Water. They could get two 1" meters that deliver 38 gallons per minute each for \$4,312 each using the existing infrastructure.
2. This is a scan of the Tucson Water price quote, construction drawing and the developer's water site plan submitted to Tucson Water on 7/2/14. Note that this water site plan shows private sub meters that are supplied from a 3" Tucson Water large meter assembly capable of delivering 270 gallons per minute. The plan also shows a proposed fire hydrant and water main extension across private property to supply both the hydrant and large meter.
3. This is a scan of a revised water plan. It calls for an additional ~400 feet of 8" water main, a second connection to the water system and 103 additional water meters. I believe this is the water site plan that you received from the developer.

I hope this helps to clarify what has been submitted to Tucson Water and to your office. Feel free to call or email if you need any more information or assistance from Tucson Water with respect to this project.

Best regards,

Frederick Coy
Planning and Engineering
Tucson Water
Phone 520.837.2220

NOTES:

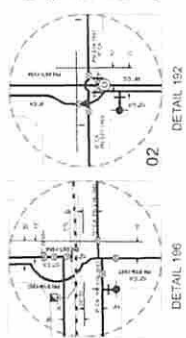
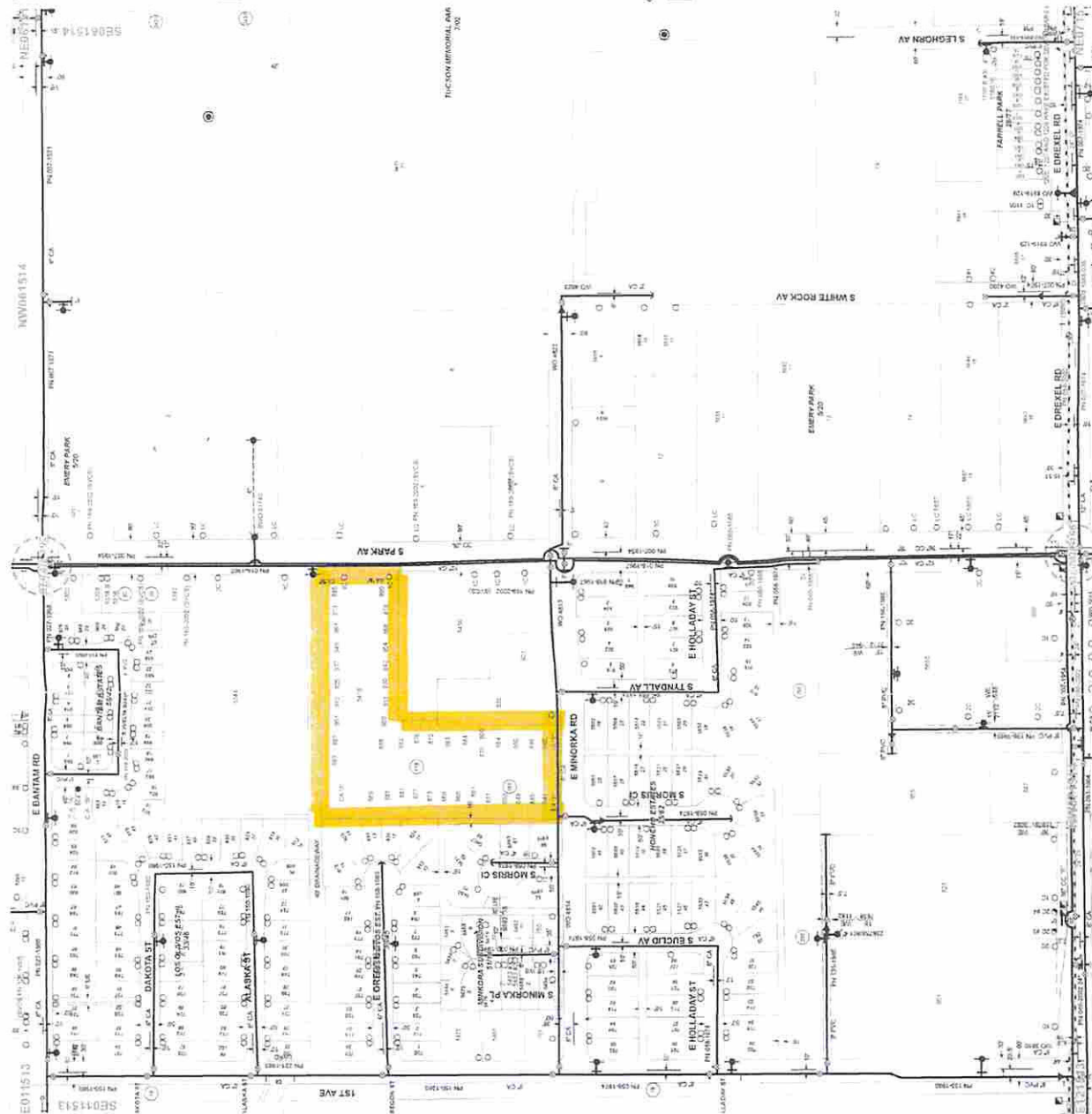
NO.	DESCRIPTION
-----	-------------

ABANDONMENTS:

NO.	DESCRIPTION
-----	-------------

SW061514

PRINT DATE - MAY 18 1991



- [illegible]





**TUCSON WATER
NEW SERVICES FH/FS
CONTRACT**

Address of Site: 5478 S. Park Ave Loc. ID#: _____
 Name of Development: Rio Viejo Apts. Cust. ID#: _____
 Responsible Party for Fire Service: _____
 Legal Description: _____
 Location of Tap: _____

Name: Rick Bright RBright@Brightdesignassoc. Phone Number: 529-1878
 com Fax # 292-1142

Tucson Water reserves the right to install Fire Services and Fire Hydrants at locations that field conditions dictate. Domestic water service shall not be interconnected with any Fire Services. All Fire Service and Fire Hydrants shall be field staked by the applicant and installed by Tucson Water.

	Number	Size	Each		
500 GPM Low Flow Hydrant	1	12"x8" TS+V	@ 3000.00	\$	3000.00
City of Tucson	1	8"x4" TS+V	@ 1900.00	\$	1900.00
Pima County	1	6" Valve	@ 1500.00	\$	1500.00
Marana	1	4" 90°	@ 400.00	\$	400.00
Other	1	8"x6" Reducer	@ 400.00	\$	400.00
15.0' wide water easement			@	\$	
			@	\$	
			@	\$	
Qty. Size	1	Fire Hydrant	@ 2900.00	\$	2900.00
1 Fire Service			@	\$	
1 Fire Hydrants in					
1 Private Property					

	Length	Size	PRICE/FOOT		
1 1 FT/8" Main Extension	410'	8" PVL	@ 40.00	\$	16,400.00
approx 400-450 Fire Hydrants in	10'	6" DIP	@ 35.00	\$	350.00
1 Public Right-of-Way	15'	4" DIP	@ 34.00	\$	510.00
			@	\$	
			@	\$	
1 Service Conn.			@	\$	
1 1 3" Water Meter	Temp Placement	2yd ²	@ 45.00	\$	90.00
	Type A-2" AC	2yd ²	@ 55.00	\$	110.00
	Concrete Sidewalk	36yd ²	@ 30.00	\$	1080.00
1 Other	Traffic	2 days	@ 300.00	\$	600.00
Valve Map No.:	3" meter assembly	1	@ 12999.00	\$	12999.00
	Fence around meter	1	@ 1250.00	\$	1250.00
Water Meter WO#			@	\$	
Water Meter WO#			@	\$	
Fire Service WO#			@	\$	
	PDEQ Exemption		@ 50.00	\$	50.00

CUSTOMER SIGNATURE

The charges contained herein are calculated on known conditions and may be subject to change due to field conditions. Customer will be contacted prior to any charges added; to include inspection, engineering and/or administrative costs associated with the project. Customers who request any changes after having signed the application and having made payment shall have 30 days after receiving a revised quote to provide the final payment for the revised work. Should the customer not provide final payment, the work will be cancelled, the customer will be refunded the original payment less a cancellation fee, administrative fee and/or any non-refundable contract fees.

Prepared By: _____
 Quote No.: _____

Date: _____
 Drawing No.: _____

Installation Cost	\$	43,539.00
BF Permit Fees	\$	76.51
City Fees	\$	617.00
System Equity Fee	\$	20,976.00 + 3,200.00
meter cost	\$	3000.00
Total Cost	\$	71,408.51

CHK # 1208
 Due - 70,791.51

DR Number: 36041- 224

• • • • •



THE LINE FOR TUCSON WATER REQUIREMENTS
AN APPROVED WATER SUPPLY, CAPABLE OF
SUPPLYING 800 GPM WATER FOR
FIRE PROTECTION SHALL BE PROVIDED AND
EXTENDED AS REQUIRED.

The photograph shows a vintage computer monitor with a black frame. The screen displays a menu titled "DEVELOPMENT PACKAGE" at the top. Below the title are several options listed vertically: "PC", "MAC", "WINDOWS", "UNIX", "OS/2", "VAX/VMS", "MVS", "Z/OS", "AS/400", "DB2", "ORACLE", "SYBASE", "INFORMatica", "MICROSOFT SQL SERVER", "PL/SQL", "COBOL", "FORTRAN", "PASCAL", "C", "C++", "JAVA", "PERL", "PYTHON", "PHP", "JSP", "ASP", "VBScript", "JavaScript", "XML", "XSLT", "SOAP", "REST", "JSON", "YAML", "CSV", "Excel", "Word", "PowerPoint", "Access", "Outlook", "Exchange", "SharePoint", "Salesforce.com", "SAP", "Oracle E-Business Suite", "PeopleSoft", "JD Edwards", "Siebel Systems", "NetScout Systems", "Solaris", "Red Hat Linux", "Ubuntu Linux", "CentOS Linux", "Fedora Linux", "Debian Linux", "SuSE Linux", "OpenSUSE Linux", "Rocky Linux", "AlmaLinux", "CloudLinux", "CyberPanel", "cPanel", "WHMCS", "Magento", "WooCommerce", "WordPress", "Drupal", " Joomla!", "PrestaShop", "OpenCart", "Magento Commerce", "Adobe Experience Manager", "Salesforce Marketing Cloud", "HubSpot", "Marketo", " Pardot", "MailChimp", "Constant Contact", "SendGrid", "Amazon SES", "AWS Lambda", "Google Cloud Functions", "Microsoft Azure Functions", "IBM Bluemix", "Heroku", "DigitalOcean", "Linode", "Vultr", "AWS EC2", "AWS S3", "AWS IAM", "AWS Kinesis", "AWS ElastiCache", "AWS EMR", "AWS Redshift", "AWS Glue", "AWS Athena", "AWS SageMaker", "AWS Rekognition", "AWS Comprehend", "AWS Transcribe", "AWS Textract", "AWS Lex", "AWS Polly", "AWS Forecast", "AWS IoT Core", "AWS IoT Things Gateway", "AWS IoT Device Shadow", "AWS IoT Fleet Hub", "AWS IoT SiteWise", "AWS IoT Greengrass", "AWS IoT Button", "AWS IoT Analytics", "AWS IoT RoboMaker", "AWS IoT Jobs", "AWS IoT Events", "AWS IoT Security Lake", "AWS IoT DevOps Center", "AWS IoT TwinMaker", "AWS IoT Industrial", "AWS IoT Operational", "AWS IoT Foundation", "AWS IoT Enterprise", "AWS IoT Enterprise OnPremises", "AWS IoT Enterprise Managed Network", "AWS IoT Enterprise Managed Network OnPremises", "AWS IoT Enterprise Managed Network OnPremises Managed Network", "AWS IoT Enterprise Managed Network OnPremises Managed Network OnPremises". At the bottom right of the screen, there is a small logo for "THE UNIVERSITY OF TEXAS AT ARLINGTON". The background of the screen is white, and the text is in a monospaced font. The monitor itself is sitting on a dark surface, and the overall lighting is somewhat dim, typical of an indoor office or library setting from the late 20th century.

041001711
CITY OF
DEVELOPMENT PACKAGE
FOOD APPROVAL
LUCSON

Sheet Title			
Company	Copyright Right Design Associates, P.L.C.		
Checked by			
Drawn by	PROJECT		
Date	6/17/2014		
Project Number	11		
Name	Date	Description	

C111	Unshared
C112	Unshared
C113	DEVELOPMENT PLAN
C114	UNIT ELEVATIONS
C115	SEWER SITE PLAN
C116	WATER SITE PLAN
C117	ELECTRICAL SITE PLAN
C118	PHASING PLAN
C119	UTILITY PLAN
C120	GRADING PLAN
C121	GRADING PLAN
C122	SITE DETAILS
C123	SITE DETAILS
C124	SITE DETAILS
C125	SITE DETAILS
C126	MAP PLAN
C127	POP-UP TABLES
C128	ILLUSTRATION PLAN
C129	ILLUSTRATION PLAN

BRIGHT DESIGN ASSOCIATES
3212 E. First Street, Suite 200
Houston, Missouri 63012
Tel. 520.521.1878
Fax 520.292.1142
E-MAIL: info@brightdesign.com
www.brightdesign.com

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: 01/14/14
BY: [Signature]
CHECKED BY: [Signature]
SCALE: AS SHOWN
PROJECT: [Illegible]
SHEET: [Illegible]

A diagram illustrating the relationship between different levels. It shows a horizontal line labeled 'W' at the top. Below it is a line labeled 'CURB'. Below 'CURB' is a line labeled 'DIST'. Below 'DIST' is a line labeled 'STW'. A double-headed vertical arrow between 'W' and 'CURB' is labeled '2\''. A single-headed vertical arrow points from 'CURB' down to 'DIST'. Another single-headed vertical arrow points from 'DIST' down to 'STW'. A single-headed vertical arrow points from 'STW' up to 'CURB'.

6/5/2012

130/4

660 S. Country Club
Tucson, Arizona 85716
Tel 520.529.1878
Fax 520.292.1142

F.Mall, 1brightdesigns.co.uk
www.brightdesigns.co.uk

At work that conforms to all applicable Building Electrical Mechanical Plumbing and Fire Codes in effect as of the date on the drawings. No deviations from these drawings during construction shall be made without written approval from the architect.

01/29/14

2014
NICA
BRQ*

01/29/14

C11	DEVELOPMENT PLAN
C12	UNIT ELEVATIONS
C13	SEWER SITE PLAN
C14	SEWER MAIN AND PROFILE
C15	SEWER DETAILS
C16	WATER SITE PLAN
C17	ELECTRICAL SITE PLAN
C18	PHASING PLAN
C19	GRADING PLAN
C20	GRADING PLAN
C21	BUILDING GRADING PLAN
C22	OPEN SPACE GRADING PLAN
C23	LANDSCAPE ARCHITECTURAL PLAN
C24	HORIZONTAL CONTROL PLAN
C25	SITE DETAILS
C26	SITE DETAILS
C27	SITE DETAILS
C28	SITE DETAILS
C29	APPLICANT TABLES
C30	PLANTING PLAN
C31	IRRIGATION PLAN

**RIO VIEJO
APARTMENTS**

**BLOCK I RIO VIEJO
APARTMENTS**

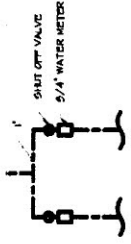
RIO VIEJO
PARTNERS LLC

[illegible]

Project number	2.0
Date	01/20/2014
Drawn by	BRIGHT
Checked by	BRIGHT
Copyright Bright Design Associates, PLLC	
Sheet T-6	

WATER SITE PLAN

Sheet No C1.6 of 29



BACKFILL MATERIAL AND
COMPACTION MUST MEET
THE REQUIREMENTS OF
THE AUTHORITY HAVING
JURISDICTION ALL
BACKFILL MATERIAL SHALL
BE SORTED

BEDDING MATERIAL
No. 4 60-100% PASSING
PLASTICITY INDEX (G
PER AASHTO T99

WATER METER

WTG

WHEN NECESSARY, BECAUSE OF SPACE LIMITATIONS OR FOR TRENCH SAFETY AND/OR THE PROTECTION OF EXISTING ADJACENT ABOVE OR UNDERGROUND FACILITIES, TRENCH SHORING AND/OR SHEETING IS INSTALLED. THE SHORING AND/OR SHEETING SHALL COMPLY WITH CURRENT OSHA REGULATIONS.

[illegible]

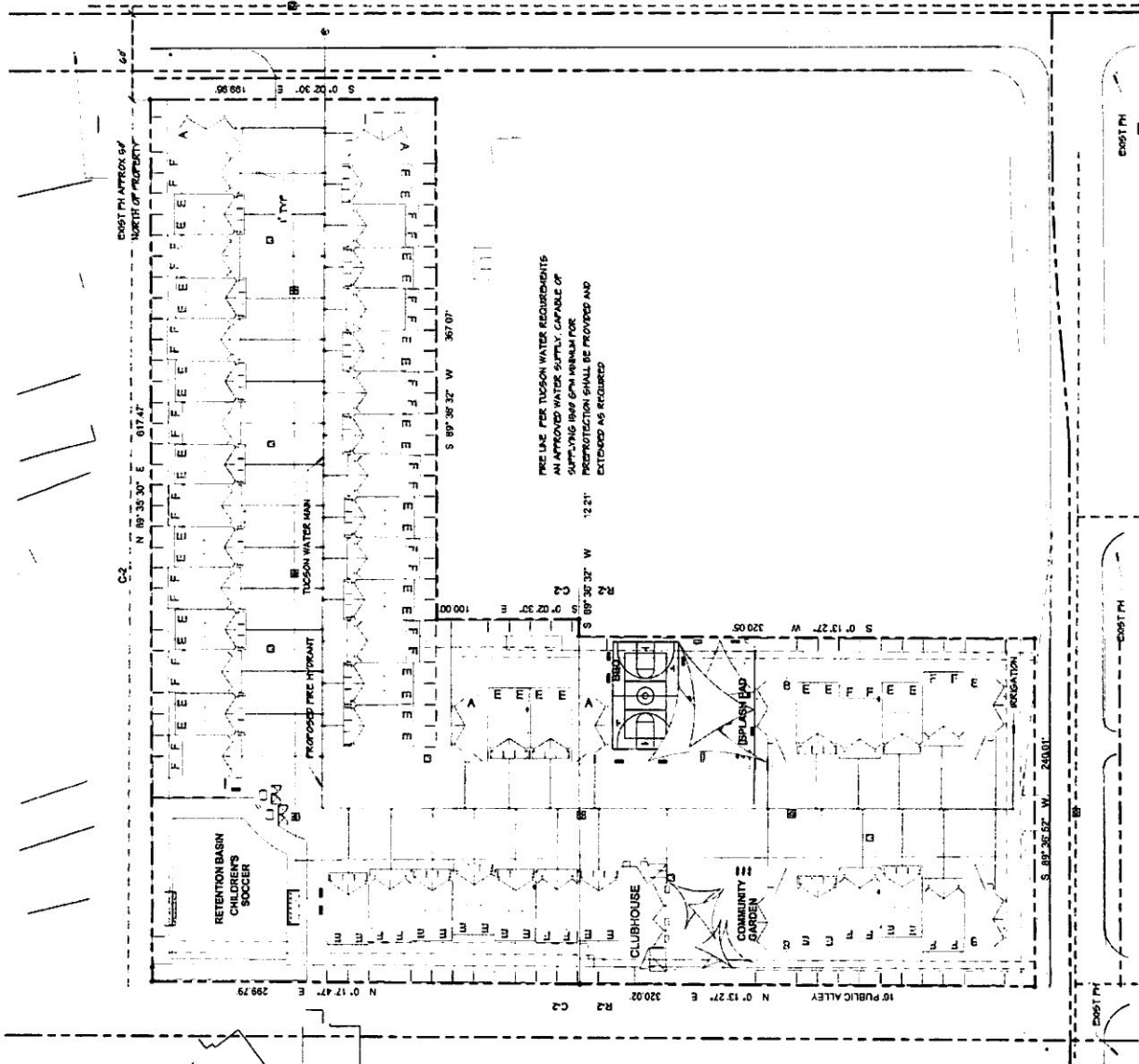
210042 KSP

2 W/C	50 = 10
2 LAV	20 = 40
1 SK	40 = 40
2 H-B	1 = 20

CONCLUSION

1-1" WATER METER
IRRIGATION
1-1" WATER METER
APARTMENTS

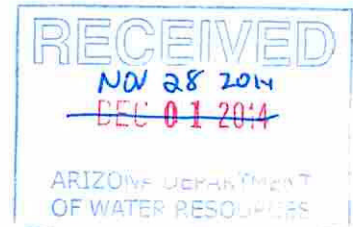
CITY OF TUCSON		DEVELOPMENT PACKAGE PRIMA APPROVAL	
Initiation Plan	_____	_____	_____
FEIS	_____	_____	_____
Transferring Plan	_____	_____	_____
Transferring	_____	_____	_____
Other	_____	_____	_____
DPV/30 Meet	_____	_____	_____
Zoning	_____	_____	_____
Engineering	_____	_____	_____
HO SAs	_____	_____	_____
Per	_____	_____	_____
Landscape	_____	_____	_____
PLM	_____	_____	_____
Markdown 8	_____	_____	_____



WATER SITE PLAN

h-51-

Rio Viejo Partners, LLC, an
Arizona Limited Liability Company
2455 E. Speedway, #101
Tucson, AZ 85719
(520) 326-4858
Fax (520) 795-0967



November 25, 2014

David Christiana R.G.
c/o Ground Water Permitting and Wells
Arizona Department of Water Resources
3550 N. Central, 2nd Floor
Phoenix, AZ 85012-2105

Dear Mr. Christiana:

Pursuant to your letter of November 10, 2014, we are enclosing the formal estimate from Tucson Water.

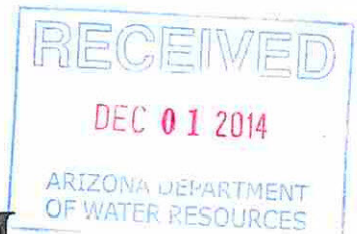
It should be noted that Tucson Water directs us to its website, but gives us an example for us to follow. This memorandum is as formal of an estimate as Tucson Water will issue.

We also enclose a copy of our new service request that prompted Tucson Water's response.

Should you have any questions, please do not hesitate to contact me at (520) 326-4858.

Sincerely,

Gregory Moore
President



MEMORANDUM

DATE: November 24, 2014

TO: To whom it may concern

FROM: Fred Coy
Sr. Engineering Associate
Tucson Water
Planning and Engineering

SUBJECT: Cost for individual potable water meters

The cost of individual water meters in the central system of Tucson Water is a summation of three amounts

1. A System Equity Fee: <http://water.tucsonaz.gov/water/equity>
2. A Central Arizona Project Water Resource Fee: <http://water.tucsonaz.gov/water/capwrfee>
3. The cost of tapping the potable water main and installing a service pipe, meter box, curb stop and meter: <http://water.tucsonaz.gov/water/misc-installation> This price has two variations, one for a water main under asphalt and one for a water main under dirt.

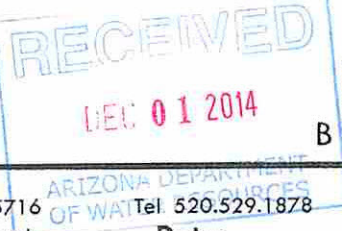
For a 1" water meter that delivers 37.5 gallon per minute installed on a water main under asphalt, the cost breakdown is:

SEF fee -	\$3,278.00
CAP fee -	500.00
<u>Installation</u>	<u>2,409.08</u>
Total cost -	\$6,247.08

The customer is entitled to install as many meters as desired on a single parcel with those meters set at the property line. Extending the water main across private property to provide water services requires a water main extension inside a public water easement. It is the developer's responsibility to describe, record and convey water easements to the City of Tucson before any public water installations on private property.

The individual water meter price does not include the cost of water main extensions, flow valves or fire protection appurtenances such as fire hydrants or fire sprinkler connections. Those prices are site specific and are determined through our Job Order Contract, please see <http://water.tucsonaz.gov/water/misc-service> If the project construction costs exceed \$50,000, it must be submitted as an engineered master water plan through Tucson Water New Development for plan review and approval. See <http://water.tucsonaz.gov/water/misc-review>

Handwritten signature: bda



Transmittal Letter

Bright Design Associates PLC

660 S. Country Club Tucson, Arizona 85716 Tel. 520.529.1878 Fax 520.292.1142 www.brightdesignassoc.com

To: Tucson Water Department **Date:** 24 November 2014
 310 W. Alameda **Project No.:** 11.11
 P.O. Box 27210 **Project Name:** Rio Viejo Apartments
 Tucson, AZ 85726-7210
Attn: Ray Munoz

We Transmit: ☒ Attached ☐ Under separate cover

The Following: **Delivered Via:**
☒ Drawings ☐ Mail ☐ Overnight
☐ Specifications ☐ Fax ☐ E-mail
☐ Digital Files ☐ Courier ☐ Other
☐ Submittals
☐ Other

For Your:
☐ Approval/Action ☐ Information ☐ Use as requested
☐ Review and Comment ☐ Distribution/files ☐ Other

Bids Due **Date:** **Time:**

No. of Copies	Date	Description
3		Proposed water layout

Remarks:

Seeking a new service contract estimate.

Received by: B. Cassidy 11.24.14

David G. Christiana

From: David G. Christiana
Sent: Thursday, October 30, 2014 12:00 PM
To: TINA LEPAGE (tl1@azdeq.gov); MARTIN ZELEZNIK (zeleznik.martin@epamail.epa.gov)
Subject: NOI to Drill Domestic Well near TIAA and Raytheon
Attachments: 55-224069AreaMap.pdf; 55-224069D_RioViejoPartners.PDF

Tina/Martin,

Attached are a Notice of Intent to Drill a domestic well within the 1-mile buffer of the TIAA CERCLA sites. A map is also attached showing the sites and the approximate location of the proposed well.

Please let me know whether or not your agency has any comments or concerns regarding this application by November 5, 2014, or sooner if possible. ADWR will be conducting a concurrent review.

If you need additional time, please let me know.

Regards,
Dave Christiana

David Christiana, R.G.

Permitting and Adjudication Support
Arizona Department of Water Resources
602.771.8548









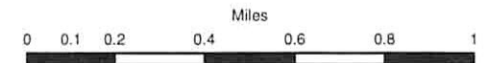
PROTECTING ARIZONA'S
WATER SUPPLIES
for ITS NEXT CENTURY

www.azwater.gov

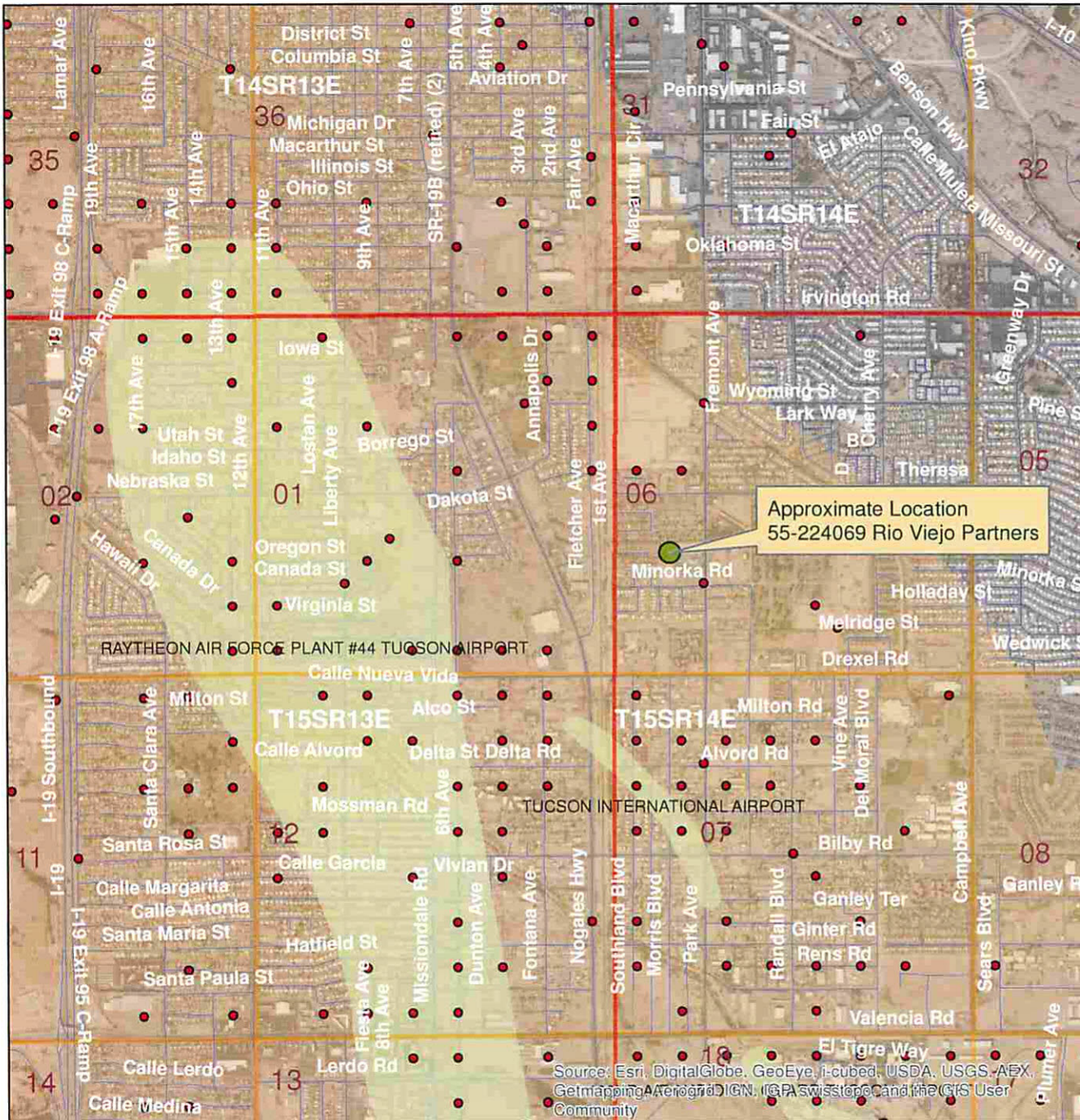
**Rio Viejo Partners, LLC
NOI To Drill
a Domestic Well
55-224069 D(15-14)6CBD**

Legend

-  Subject Well(s)
-  Registered Wells
-  Township/Range
-  Section
-  Remedial Action Site (2014)
-  Remedial Action Site Buffer



Coordinate System: NAD 1983 UTM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983



Date: 10/30/2014 Time: 11:45:26 AM

Document Path: U:\Workspaces\Engineer\Permit\PermitSupport\TechSupport\Wqar\Projects\Well Impacts\WellImpacts007.mxd

David G. Christiana

From: Aycock, Mary <Aycock.Mary@epa.gov>
Sent: Thursday, October 30, 2014 1:05 PM
To: David G. Christiana
Cc: Marc E. Herman; Hiatt, Gerald; Gardiner, Mark A.
Subject: RE: NOI to Drill Domestic Well near TIAA and Raytheon

Thanks David-How long do we have to provide comments? At first glance-this doesn't look like a good idea. Who will the well serve? Has there been testing of the water in this area?

I have copied my contacts in Tucson to make sure we can get their input on this. We may want to have a call to discuss if we have additional questions.

Mary T. Aycock
Remedial Project Manager
U.S EPA Region 9 (SFD 8-1)
75 Hawthorne Street
San Francisco, CA 94105
Work: (415) 972-3289
Cell: (415) 444-6339
aycock.mary@epa.gov

From: David G. Christiana [<mailto:dgchristiana@azwater.gov>]
Sent: Thursday, October 30, 2014 12:14 PM
To: Aycock, Mary
Subject: FW: NOI to Drill Domestic Well near TIAA and Raytheon

Mary,

Please see the attached and below.

Regards,
Dave Christiana

From: David G. Christiana
Sent: Thursday, October 30, 2014 12:00 PM
To: TINA LEPAGE (tl1@azdeq.gov); MARTIN ZELEZNIK (zeleznik.martin@epamail.epa.gov)
Subject: NOI to Drill Domestic Well near TIAA and Raytheon

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If you need additional time, please let me know.

Regards,
Dave Christiana

David Christiana. R.G.
Permitting and Adjudication Support
Arizona Department of Water Resources
602.771.8548



www.azwater.gov

David G. Christiana

From: Aycock, Mary <Aycock.Mary@epa.gov>
Sent: Monday, November 03, 2014 10:51 AM
To: David G. Christiana
Cc: Mark Gardiner (Mark.Gardiner@CBIFederalServices.com); Hiatt, Gerald
Subject: RE: NOI to Drill Domestic Well near TIAA and Raytheon

Follow Up Flag: Follow up
Flag Status: Flagged

David-We will get back to you later this week. Thanks!

Mary T. Aycock
Remedial Project Manager
U.S EPA Region 9 (SFD 8-1)
75 Hawthorne Street
San Francisco, CA 94105
Work: (415) 972-3289
Cell: (415) 444-6339
aycock.mary@epa.gov

From: David G. Christiana [<mailto:dgchristiana@azwater.gov>]
Sent: Thursday, October 30, 2014 12:14 PM
To: Aycock, Mary
Subject: FW: NOI to Drill Domestic Well near TIAA and Raytheon

Mary,

Please see the attached and below.

Regards,
Dave Christiana

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Regards,
Dave Christiana

David Christiana. R.G.
Permitting and Adjudication Support
Arizona Department of Water Resources
602.771.8548



www.azwater.gov

David G. Christiana

From: Marc E. Herman <Herman.Marc@azdeq.gov>
Sent: Wednesday, November 26, 2014 8:25 AM
To: David G. Christiana
Cc: Hiatt, Gerald; Gardiner, Mark A.; Aycock, Mary
Subject: RE: NOI to Drill Domestic Well near TIAA and Raytheon

David:

I spoke with Mary last week about this proposed project. After carefully evaluating the information you provided, EPA and ADEQ have concluded that the regulatory agencies will not be pursuing this issue any further. Thanks.

Marc

Marc E. Herman | Arizona Department of Environmental Quality | Southern Regional Office | Superfund Programs Unit | 400 West Congress Street, Suite 433 | Tucson, Arizona 85701 | 520-628-6740 | herman.marc@azdeq.gov |



From: David G. Christiana [<mailto:dgchristiana@azwater.gov>]
Sent: Wednesday, November 26, 2014 8:00 AM
To: Aycock, Mary; David G. Christiana
Cc: Marc E. Herman; Hiatt, Gerald; Gardiner, Mark A.
Subject: RE: NOI to Drill Domestic Well near TIAA and Raytheon

Mary,

I apologize for not getting back sooner. Your email went to spam for some reason.

The application is "stalled" at the moment, waiting on more information from the applicant. There has been some back and forth between the applicant and the Tucson Water. The well will serve an apartment complex with approximately 100 apartments. I do not know of any water quality sampling in the immediate area.

Regards,
Dave Christiana

From: Aycock, Mary [<mailto:Aycock.Mary@epa.gov>]
Sent: Thursday, October 30, 2014 1:05 PM
To: David G. Christiana
Cc: Marc E. Herman; Hiatt, Gerald; Gardiner, Mark A.
Subject: RE: NOI to Drill Domestic Well near TIAA and Raytheon

Thanks David-How long do we have to provide comments? At first glance-this doesn't look like a good idea. Who will the well serve? Has there been testing of the water in this area?

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Mary T. Aycock
Remedial Project Manager
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San Francisco, CA 94105
Work: (415) 972-3289
Cell: (415) 444-6339
aycock.mary@epa.gov

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From: David G. Christiana
Sent: Thursday, October 30, 2014 12:00 PM
To: TINA LEPAGE (tl1@azdeq.gov); MARTIN ZELEZNIK (zeleznik.martin@epamail.epa.gov)
Subject: NOI to Drill Domestic Well near TIAA and Raytheon

Tina/Martin,

Attached are a Notice of Intent to Drill a domestic well within the 1-mile buffer of the TIAA CERCLA sites. A map is also attached showing the sites and the approximate location of the proposed well.

Please let me know whether or not your agency has any comments or concerns regarding this application by November 5, 2014, or sooner if possible. ADWR will be conducting a concurrent review.

If you need additional time, please let me know.

Regards,
Dave Christiana

David Christiana. R.G.
Permitting and Adjudication Support
Arizona Department of Water Resources
602.771.8548



www.azwater.gov

NOTICE: This e-mail (and any attachments) may contain PRIVILEGED OR CONFIDENTIAL information and is intended only for the use of the specific individual(s) to whom it is addressed. It may contain information that is privileged and confidential under state and federal law. This information may be used or disclosed only in accordance with law, and you may be subject to penalties under law for improper use or further disclosure of the information in this e-mail and its attachments. If you have received this e-mail in error, please immediately notify the person named above by reply e-mail, and then delete the original e-mail. Thank you.

JANICE K. BREWER
Governor



MICHAEL J. LACEY
Interim Director

ARIZONA DEPARTMENT of WATER RESOURCES
3550 North Central Avenue, Second Floor
Phoenix, Arizona 85012-2105
602.771.8500
azwater.gov

November 10, 2014

Mr. Gregory Moore
Rio Verde Partners, LLC
2455 East Speedway Blvd, Suite 101
Tucson, AZ 85719

Dear Mr. Moore:

The Arizona Department of Water Resources (Department) has received your Notice of Intent to Drill a Well on October 24, 2014. Arizona Revised Statute (A.R.S.) §45-454 (C) prohibits the drilling of an exempt well (a well that has a maximum pump capacity of not more than thirty-five (35) gallons per minute and that is used only for non-irrigation purposes) on land if any part of the parcel is within one hundred (100) feet of the operating water distribution system of a municipal water provider that has an assured water supply designation within the boundaries of an Active Management Area (AMA) as shown on a digitized service area map provided to the Director by the municipal provider.

The Department has determined that the exempt well you are proposing to drill is located within the Tucson AMA and will be located within 100 feet of the City of Tucson's distribution system according to maps provided by them to the Department. The City of Tucson is a designated municipal water provider.

The Department also received your subsequent letter of November 3, 2014, with which you submitted a "Request for Exemption Pursuant to A.R.S. §45-454(D)". You are requesting an exemption pursuant to A.R.S. 45-454(D)(2). The supporting documents included with your letter were an itemized estimate of the cost to drill and equip a well, a letter estimating the costs of a water system, and some information from the City of Tucson's website. The information from the City of Tucson's website is insufficient to satisfy A.R.S. §45-454(D)(2). A formal estimate of the actual costs to connect to the City of Tucson's potable water system must be submitted on a Tucson Water Department form or letterhead.

The requested information must be submitted before the Department can complete the application review. The Department's administrative review time frame is suspended until all requested information is received. Failure to submit the information requested within sixty (60) days may result in the denial of the application.

Please submit the information to my attention. You may contact me if you have any questions or need further assistance at dgchristiana@azwater.gov or 602-771-8548.

Sincerely,
Arizona Department of Water Resources

A handwritten signature in black ink, appearing to read "David Christiana". The signature is fluid and cursive, with the first name "David" being more prominent than the last name "Christiana".

David Christiana, R.G.
Groundwater Permitting and Wells

RECEIVED



Arizona Department of Water Resources
 Water Management Support Section
 3550 N. Central Ave. Suite 200, Phoenix, Az 85012
 (602) 771-8500 --- (800) 352-8488
 www.water.az.gov

**Certification to the Notice of Intention to Drill
 an Exempt Well within an Active Management
 Area Pursuant to A.R.S. § 45-454(C) & (D)**

**Exempt Well Certification of Compliance with A.R.S. § 45-454(C)
 or Request for Exemption Pursuant to A.R.S. § 45-454(D)**

FILE NUMBER

WELL REGISTRATION NUMBER
55 - 224069

Effective January 1, 2006, Arizona Revised Statute (A.R.S.) § 45-454(C) prohibits the drilling of an exempt well (a well that has a maximum pump capacity of not more than thirty-five gallons per minute and that is used only for non-irrigation purposes) on land if any part of the land is within 100 feet of the operating water distribution system of a municipal water provider that has an assured water supply designation (designated water provider) within the boundaries of an Active Management Area (AMA) as shown on a digitized service area map provided to the Director by the municipal provider and updated by the municipal provider as specified by the Director. A.R.S. § 45-454(D) provides that the Director shall provide an exemption from this prohibition if one of the following applies:

1. The landowner submitted a written request for service to the municipal provider that operates the distribution system and the municipal provider did not provide written verification to the landowner within thirty calendar days after receipt of the request that water service is available to the landowner after payment of any applicable fee to the municipal provider.
2. The total capital cost and fees for connecting to the operating water distribution system exceed the total capital cost and fees for drilling and fully equipping the exempt well.
3. If the applicant must obtain an easement across other land to connect to the water distribution system of the municipal provider, the applicant sent the owner of the land a request for the easement by certified mail, return receipt requested, and either the applicant did not receive a response to the request within thirty calendar days of mailing the request or the request was denied.
4. The landowner does not qualify for an exemption pursuant to 1, 2 or 3 above and the landowner provides written verification from the municipal provider that the landowner shall not receive or request water service from the municipal provider while the exempt well is operational. The exemption for the well is revoked if the landowner or any subsequent landowner receives water service from the municipal provider. **In determining whether to approve or reject an application to drill a non-exempt well under A.R.S. § 45-599, the director shall not consider any impacts the proposed non-exempt well may have on the exempt well drilled pursuant to this paragraph.**

In order to obtain authority to drill an exempt well within an AMA, you must fill out the appropriate box below certifying compliance with A.R.S. § 45-454(C) or requesting an exemption pursuant to A.R.S. § 45-454(D).

CERTIFICATION OF COMPLIANCE WITH A.R.S. § 45-454(C)

- ☐ I certify that no portion of the land on which the proposed exempt well is to be drilled is within one hundred feet of the operating water distribution system of a municipal water provider with an assured water supply designation as shown on the provider's most recent digitized service area map on file with the Arizona Department of Water Resources. I understand that this condition may change prior to the commencement of well drilling and that if, at the time drilling is to commence, the land is within one hundred feet of the operating water distribution system of a municipal water provider with an assured water supply designation as shown on the provider's most recent digitized service area map on file with the Department, the well may not be drilled unless I apply for and am granted an exemption pursuant to A.R.S. § 45-454(D). *(If your exempt well falls into this category, skip to and complete "Signature" on the reverse side)*

Continued on Reverse

REQUEST FOR EXEMPTION PURSUANT TO A.R.S. § 45-454(D)

The land on which the proposed exempt well is to be drilled is within one hundred feet of the operating water distribution system of a municipal water provider with an assured water supply designation as shown on the most recent service area map provided by the municipal provider to the Director of the Arizona Department of Water Resources. Name of municipal provider: Tucson Water.

In accordance with A.R.S. § 45-454(D), I am:

☐ Requesting exemption # ☐ 1 ☒ 2 ☐ 3 pursuant to A.R.S. § 45-454(D)(1), (2) or (3) as applicable.
(Check One)

I certify that I meet the requirements for the exemption.

NOTE: If you check this box requesting exemption #1, 2, or 3, you must attach to this form evidence of the applicability of the exemption as follows:

Exemption #1: A copy of the letter you sent to the designated water provider requesting water service and a copy of any written response from the provider.

Exemption #2: A cost comparison of the capital cost and fees associated with drilling and equipping the exempt well versus the capital cost and fees associated with connecting to the designated water provider's operating water distribution system. Please list the name of drilling firm that provided the cost estimate for drilling and equipping the well.

Exemption #3: A copy of the letter sent to the landowner from whom an easement must be obtained, a copy of the receipt showing that the letter was received by the landowner and a copy of any written response received from the landowner.

☐ Requesting exemption #4 pursuant to A.R.S. § 45-454(D)(4), with the understanding that in determining whether to approve or reject an application to drill a non-exempt well under A.R.S. § 45-599 (applicable to wells designed to pump greater than 35 GPM and located within an AMA) the director shall not consider any impacts the proposed non-exempt well may have on the exempt well for which this exemption is granted.

NOTE: If you checked this box requesting exemption #4, please demonstrate the applicability of the exemption by attaching to this form written verification from the municipal provider that you shall not receive or request water service from the municipal provider while the exempt well is operational.

SIGNATURE

TYPE OR PRINT NAME OF LANDOWNER

Rio Viejo Partners, LLC, by Southwest Nonprofit Housing Corporation
By, Gregory Moore, President

SIGNATURE OF LANDOWNER



DATE SIGNED

10/28/2014

NOTE: A current listing of designated water providers may be found at: http://www.azwater.gov/dwr/Content/Find_by_Category/Permits_Forms_Applications/Files/AssuredWaterSupply/List_of_Designated_Providers_2005.pdf.

Rio Viejo Partners, LLC, an
Arizona Limited Liability Company
2455 E. Speedway, #101
Tucson, AZ 85719
(520) 326-4858
Fax (520) 795-0967



November 3, 2014

Bruce Wildey
c/o Arizona Department of Water Resources
P.O. Box 36020
Phoenix, AZ 85067-6020

Re: 55-224069

Dear Bruce:

Pursuant to our phone conversation, enclosed please find the cost of providing 102 "one inch" water meters by Tucson Water Company as compared to providing our own water service by drilling and equipping a well for our apartment project located in Tucson, AZ.

The capital cost for fees to connect our project is substantiated by the information contained in the Tucson Water Website and is summarized as follows:

Tucson Water

System Equity Fees: (\$3,278) (102 meters)	\$ 334,356.00
CAP Water Resource Fees: (\$500) (102 meters)	\$ 51,000.00
Meter Installation: (\$2,469.08)(102 meters)	\$ 251,846.00
	<u>\$ 637,202.00</u>

Well

The capital cost and fees for drilling a well and providing a pump is:	\$ 35,621.00
 The capital cost and fees for a "Water Master Plan", which includes storage, booster station, disinfection system, and water meters is:	 \$ 187,000.00
	<u>\$ 222,621.00</u>

It is less expensive to provide well water by \$414,621, than providing Tucson Water.

Bruce Wildey
November 3, 2014
Page 2

In addition we are enclosing ARS Form 45-454(c)(d). We had also discussed some maps outlining the parts of the aquifer that are in remediation. The plume does not effect this well.

Should you have any questions, please do not hesitate to contact me at (520) 326-4858.

Sincerely,



Rio Viejo Partners, LLC, an Arizona Limited
Liability Company, by Southwest Nonprofit
Housing Corporation, an Arizona
Nonprofit Corporation, its Managing Member,
by Gregory Moore, its President

Oct. 29. 2014 10:39AM



2000 N. Kimberlee Road
Tucson, Arizona 85749
Phone: (520) 909-7956
Fax: (520) 749-3961
Email: bosqueeng@msn.com

October 28, 2014



Greg Moore
Rio Viejo Apartments
2455 E. Speedway Blvd
Suite 101
Tucson, Arizona 85719
Fax 795-0967

RE: Water System

Dear Mr. Moore,

Rio Viejo Apartments will be a solar powered living community. The purpose is to provide the lowest possible cost to its families, which in this neighborhood are expected to be eligible for Section 8 housing. The use of a private water system that is solar powered will reduce the operating costs and therefore the monthly water bill to near zero. Water quality testing and O&M costs will be the only reoccurring costs.

The facility is proposed to consist of one hundred 3 and 4 bedroom units. They will typically be rented to families. We have assumed that the average apartment will have 4 people living in the unit. The average interior water use for persons in the Tucson active Management area is 66 gpdpp. Therefore, the average daily water use for the complex will be approximately 26,400 gpd. Using the uniform plumbing code, the average flow rate necessary to supply this complex is 270 gpm. Therefore, if a private water system is constructed, the water system would consist of the following:

- Well (approximate depth of 500-ft)
- Submersible pump (30 gpm)
- Storage tank with two times the average daily demand (55,000 gal)
- Chlorine based disinfection system
- Booster station sized to meet the peak flow of 270 gpm
- 1 water meter per unit(100 meters)

The probable opinion of costs for this water system is \$187,000. This does not include the cost of the fire hydrant, which will be contacted for directly through Tucson Water.

If you have any further questions regarding this analysis please feel free to contact me.

Respectfully,

A handwritten signature in black ink, appearing to read "Peter Livingston".

Dr. Peter Livingston, P.E.
Bosque Engineering, LLC.



Quote # 2014-10

November 2, 2014

AZCA**Drilling & Pump**

13910 North Adonis Road

jmonasmith.azca@gmail.com

(520) 682-2556

Rio Viejo Partners LLC
 CO: Greg Moore
 RE: 5418 S. Park Ave
 Tucson, AZ 85719

Qty.	Item	Price	Subtotal
1	Drilling permit	\$225.00	\$225.00
500	Drilling services - Drill to 300' and install 6" PVC casing, with gravel pack	\$32.00	\$16,000.00
500	Set 6" PVC casing	\$2.50	\$1,250.00
6	Well development - 4 Hours	\$350.00	\$2,100.00
250	Gravel Pack and 5" PVC casing	\$10.00	\$2,500.00
250	Filler packer and seal	\$8.00	\$2,000.00
1	Surface casing	\$1,200.00	\$1,200.00
1	Drilling fluids, bit(s)	\$1,000.00	\$1,000.00
1	33gpm/3hp/230V/1phase - pump, motor, control	\$2,200.00	\$2,200.00
1	Cement pad and Custom Electrical Pedestal	\$600.00	\$600.00
400	2" Sch 120 PVC Drop pipe	\$5.25	\$2,100.00
410	#8/3 with ground submersible pump cable	\$3.50	\$1,435.00
1	Misc. plumbing and wiring	\$600.00	\$600.00
4	Pump Rig Labor	\$150.00	\$600.00
4	Service Truck Labor	\$95.00	\$380.00

Drill new 6" PVC well using conventional air to 500'. Develop well using air lifting and swabbing. Ready well for down hole equipment. Assuming a pump setting of approx. 400' and plumbing the well to the onsite storage tank. Install downhole pump/motor capable of 33gpm, install concrete pad and custom electric pedestal.

Material Subtotal	\$13,635.00
Materials Tax: 6.1%	\$831.74
Subtotal	\$14,466.74
Labor Total	\$21,155.00
Total	\$35,621.74

AZ LIC.A,135159, AZ Drill. Lic, 621,CA Lic. A,C57,HAZ-753077

THIS IS ONLY A QUOTATION



search Tucson Answers



System Equity Fee

In order to ensure smooth delivery of high quality water and service to current and future customers, Tucson Water has an ongoing capital improvement program.

Capital improvements are generally constructed in large increments; therefore, system expansions are often constructed years in advance of when the added capacity will be fully utilized. New connections benefit from that extra capacity built into the existing infrastructure without having made the same investment in that infrastructure that current customers have made.

To address that issue, Tucson Water determined the “per service” portion of the total value of our existing water infrastructure capacity. The “per service” portion is known as the System Equity Fee. This fee is applied to each new water service connection to the central potable system.

A cost study is conducted every two years to determine the cost and adjust the fee accordingly. On January 24, 2012, Tucson's Mayor and Council adopted a decrease to the current fee based on the results of the cost study. The new fee schedule became effective on July 2, 2012. These fees are in addition to the [CAP Water Resource Fee \(/water/capwrfee\)](#) and [Water Meter Installation Fees \(/water/misc-fees\)](#).

The current fee schedule is shown below.

Meter Size	Current Fee
$\frac{5}{8}$ inch	\$1,311.00
$\frac{3}{4}$ inch	\$1,967.00
1 inch	\$3,278.00
$1\frac{1}{2}$ inch	\$6,555.00
2 inch	\$10,488.00



search Tucson Answers



CAP Water Resource Fee

As the Tucson metropolitan area continues to grow, there is a larger demand for the finite resource of water. In order to ensure the availability and delivery of high quality water and service to future customers, Tucson Water has entered into agreements to purchase [Central Arizona Project](http://www.cap-az.com/) (CAP) water.

Tucson Water currently uses several mechanisms to ensure that "growth pays its way." These focus on recovering construction costs related to capital improvements for the delivery of potable water. To date, there is no mechanism to recover the cost associated with the acquisition of a water source.

The CAP Water Resource Fee is intended to continue the policy that "growth pay for itself." The fee provides a mechanism for the recovery of an equitable portion of the costs incurred (or estimated to be incurred) for acquisition of CAP water rights from future connections to the central potable system.

The fee will be assessed upon meter application for any new water service connection to the central potable system.

A cost study is typically conducted every two years to determine the cost and adjust the fees accordingly. On January 24, 2012, Tucson's Mayor and Council adopted a decrease to the current fee based on the results of the study.

The fee schedule adopted is shown below, and became effective on July 2, 2012. These fees are in addition to the [System Equity Fee \(/water/equity\)](/water/equity) and [Water Meter Installation Fees \(/water/misc-fees\)](/water/misc-fees).

Meter Size	Fee
$\frac{5}{8}$ inch	\$200.00
$\frac{3}{4}$ inch	\$300.00
1 inch	\$500.00

2 inch	\$775.30
--------	----------

Note: Installation fee for a meter in excess of 2 inch is determined by Tucson Water based on field conditions and provided in written quotation to the customer.

New Meter Installation on Existing Service Line *With Automated Meter Reading Device*
Tucson Water Installed

Meter Size	Current Fee
$\frac{5}{8}$ inch	\$475.76
$\frac{3}{4}$ inch	\$467.77
1 inch	\$533.57
$1\frac{1}{2}$ inch	\$785.29
2 inch	\$918.23

Note: Installation fee for a meter in excess of 2 inch is determined by Tucson Water based on field conditions and provided in written quotation to the customer.

New Meter Installation: Service Line Connection plus Meter and Pavement Replacement *With Automated Meter Reading Device*

Meter Size	Current Fee
$\frac{5}{8}$ inch	\$2,333.68
$\frac{3}{4}$ inch	\$2,325.69
1 inch	\$2,469.08
$1\frac{1}{2}$ inch	\$3,073.56
2 inch	\$3,444.53

Arizona Department of Water Resources

3550 N Central Ave.

Phoenix AZ 85012

Customer:

RIO VIEJO PARTNERS LLC
2455 EAST SPEEDWAY, SUITE 101
TUCSON, AZ 85719

Receipt #: 15-36321
Office: MAIN OFFICE
Receipt Date: 10/24/2014
Sale Type: IN_PERSON
Cashier: WRAGT

Item No.	Index	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
67488	15245	4439-TT	Notice of intention to drill a well other than a well described in subsection (A)(1)(h) of this Section	224069	1	150.00	150.00
RECEIPT TOTAL:							150.00

Payment type: CHECK

Amount Paid: \$150.00

Payment Received Date: 10/24/2014

Notes: FROM TTA.

Check #	1303
---------	------

Book-Map-Parcel: 140-19-2770

[Oblique Image](#)

Tax Year:

Tax Area: 1250

Property Address:

Street No

Street Direction

Street Name

Location

5418

S

PARK AV

Tucson

85706

Taxpayer Information:

RIO VIEJO PARTNERS LLC

2455 E SPEEDWAY BLVD STE 101

TUCSON AZ

Property Description:

RIO VIEJO APTS BLK 1

SQ20133580252

85719- 4746

Valuation Data:

	LEGAL CLASS	2014		<u>ASSESSED VALUE</u>	LEGAL CLASS	2015		<u>ASSESSED VALUE</u>
		VALUE	ASMT RATIO			VALUE	ASMT RATIO	
LAND FCV	MIXED	\$421,042	M	\$67,316	Vacant/Ag/Golf (2)	\$225,526	16.0	\$36,084
IMPR FCV						\$0		
TOTAL FCV	MIXED	\$421,042	M	\$67,316	Vacant/Ag/Golf (2)	\$225,526	16.0	\$36,084
LIMITED VALUE	MIXED	\$421,042	M	\$0	Vacant/Ag/Golf (2)	\$214,926	16.0	\$34,388

Property Information:

Section: 6
 Town: 15.0
 Range: 14.0E
 Map & Plat: /
 Block: 001
 Tract:
 Rule B District: 13
 Land Measure: 225526.00F ~ 5.177 A
 Group Code: 000
 Census Tract: 3701
Use Code: 0011 (VACANT RESIDENTIAL URBAN SUBDIVIDED)
 File Id: 1
 Date of Last Change: 1/28/2014

Valuation Area:

Condo Market: 111
 DOR Market: 7
 MFR Neighborhood: ST_EL_PUEBLO_PARK
 SFR Neighborhood: 01004312
 SFR District: 16

Sales Information:

Affidavit of Fee No.	Parcel Count	Sale Date	Property Type	Sale	Time Adjusted Sale	Cash
20133640728	1	12/2013	Vacant Land	275000	275000	N

ASSESSOR'S RECORD MAP

140-19

RIO VIEJO APARTMENTS

Block 001

N 1/4 COR. SEC. 46
T10N R63W R15 12537

BANTAM ROAD

N 89°48'38" W 123.17'

UNSUBDIVIDED

OLD KEMASIA VASH

N 89°32'20" E 652.47'

LOS OLIVOS
BOOK 33, PAGE 045 M&P

HONCHO ESTATES
BOOK 25, MAP 062 M&P

1st AVENUE

N 00°12'56" E 2693.31'

N 00°17'47" E 292.72'

N 00°13'27" E 320.05'

RAY CLARKE DRIVE
VACATED IN S020133500230

BLOCK 1

(277)

UNSUBDIVIDED

PARK AVENUE

927.17' N00°02'30" W 1360.16'

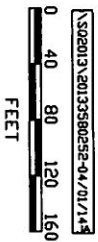
MORRISON MEMORIAL
BOOK 07, PAGE 002 M&P

(RESUB 65/019 M&P)

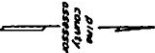
EMERY PARK UNITS 6
BOOK 05, PAGE 020 M&P

CCS

HONCHO ESTATES
BOOK 25, MAP 062 M&P



SEE S020133500232
2014-1
S06, T15S, R14E
[S020133500232-04/01/14]





Arizona Department of Water Resources
Water Management Division
P.O. Box 36020 Phoenix, Arizona 85067-6020
(602) 771-8500 • (602) 771-8690 fax
• www.azwater.gov •

**Notice of Intent to
Drill, Deepen, Replace or Modify a Well**
(except a Non-Exempt Well in an Active Management Area)

\$150 or
\$100 FEE

- ❖ Review instructions prior to completing form in black or blue ink.
- ❖ You must include with your Notice:
 - Check or money order in the amount of the appropriate filing fee.
 - For a well located within an AMA or INA, the fee is \$150.00.
 - For a well not located within an AMA or INA, the fee is \$100.00 if the well will be used solely for domestic purposes (see page 2 and instructions) and will have a pump with a maximum capacity of not more than 35 gallons per minute. Otherwise, the fee is \$150.00.
- ❖ Authority for fee: A.R.S. § 45-596 and A.A.C. R12-15-104.

AMA / INA E	B TUC 16
RECEIVED DATE 10-24-2014	WS 09
ISSUED DATE 016	WQARF CERCLA —
LEGAL REVIEW IF APP —	REASONING —

FILE NUMBER D(15-14)6CBD
WELL REGISTRATION NUMBER 55 - 224069

SECTION 1. COUNTY OR LOCAL HEALTH AUTHORITY APPROVAL (if applicable)

If water from the proposed well will be used for domestic purposes on a parcel of land of 5 or fewer acres, the applicable county or local health authority must endorse all items in Section 1 within one year before submission to the Department of Water Resources. You must also attach a site plan (pg. 3).

CHECK ONE

- ☐ County or Local Health Authority Recommends Approval (pursuant to A.R.S. § 45-596 (G) and (F))
- ☐ Field Inspection Performed
- ☐ Site Plan Review Only
- ☐ Insufficient Information to Make a Determination

Official County or Local Seal or Stamp

RECEIVED
OCT 24 2014

COUNTY OR LOCAL AUTHORITY NAME AND TITLE

TELEPHONE NUMBER

DATE

COUNTY OR LOCAL AUTHORITY SIGNATURE

SECTION 2. REGISTRY INFORMATION

Well Type	Proposed Action	Location of Well										
CHECK ONE <input checked="" type="checkbox"/> Exempt (Pump has a maximum capacity of not more than 35 gpm and water is not used for irrigation purposes inside an AMA.) (See instructions.) <input type="checkbox"/> Non-Exempt (Pump has a maximum capacity of more than 35 gpm and the well is located outside an AMA.) (See instructions.)	CHECK ONE <input checked="" type="checkbox"/> Drill New Well <input type="checkbox"/> Deepen <input type="checkbox"/> Replace <input type="checkbox"/> Modify If Deepening, Replacing or Modifying: ORIGINAL WELL REGISTRATION NUMBER 55 - MAXIMUM CAPACITY OF ORIGINAL WELL ≤35 Gallons Per Minute DISTANCE & DIRECTION FROM ORIGINAL WELL ≤35 Feet	Tucson, AZ 85706 WELL LOCATION ADDRESS (IF ANY) 5418 S. Park Ave. COUNTY WHERE WELL IS LOCATED: Pima TOWNSHIP (N/S) RANGE (E/W) SECTION 160 ACRE 40 ACRE 10 ACRE 15 S 14 E 6 SW ¼ NW ¼ SE ¼ COUNTY ASSESSOR'S PARCEL ID NUMBER # OF ACRES BOOK 140 MAP 19 PARCEL 2770 5.18 Place of Water Use (Mandatory information, see instructions.) Is the groundwater basin where the well will be drilled the same as the place where the water will be used? <table border="1"><tr><td>Yes</td><td>No</td></tr><tr><td>X</td><td></td></tr></table> TOWNSHIP (N/S) RANGE (E/W) SECTION 160 ACRE 40 ACRE 10 ACRE <table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Yes	No	X							
Yes	No											
X												

SECTION 3. OWNER INFORMATION

Well Owner	Landowner (if different from Well Owner)
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Rio Viejo Partners LLC	FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL Same
MAILING ADDRESS 2455 E. Speedway Blvd. #101	MAILING ADDRESS
CITY / STATE / ZIP CODE Tucson, Arizona 85719	CITY / STATE / ZIP CODE
CONTACT PERSON NAME AND TITLE GARY HIX Gregory Moore 520-631-7113	CONTACT PERSON NAME AND TITLE
TELEPHONE NUMBER (520) 326-4858	TELEPHONE NUMBER
FAX (520) 795-0967	FAX

SECTION 4.

Questions	Yes	No	If Yes:
1. Is the proposed well site within 100 feet of a septic tank system, sewer disposal area, landfill, hazardous materials or petroleum storage area or tank?		X	You must also request a variance (A.A.C. R12-15-818).
2. Is there another well name or identification number associated with this well (e.g., Lot 35 Well, Smith Well, etc.)?		X	PLEASE STATE
3. Is the proposed well a NEW well to be located within an Active Management Area? (See instructions.)	X		Unless the well is a replacement well and the total number of operable exempt wells on the land is not increasing, you must also file a supplemental form A.R.S. § 45-454(C) & (D).
4. Is the proposed well the second exempt well on this parcel for the same use?		X	If the proposed well is in an Active Management Area, you must also file a supplemental form A.R.S. § 45-454(I).

Notice of Intent to Drill, Deepen, Replace or Modify a Well

WELL REGISTRATION NUMBER
55 - 224069

SECTION 5. DRILLING AUTHORIZATION		SECTION 6. WATER / SITE INFORMATION	
Drilling Firm		Principal Use of Water	Other Uses of Water
NAME Azca Drilling & Pump Inc		CHECK ONE	CHECK ALL THAT APPLY
DWR LICENSE NUMBER 621	ROC LICENSE NUMBER A Gen 135159	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Irrigation
TELEPHONE NUMBER 928-923-9118	FAX 928-923-9118	<input type="checkbox"/> Commercial	<input type="checkbox"/> Commercial
MAILING ADDRESS P.O. Box 570 GLENDA		<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Domestic
CITY / STATE / ZIP CODE Ehrenberg, AZ		<input type="checkbox"/> Municipal	<input type="checkbox"/> Municipal
DATE CONSTRUCTION IS SCHEDULED TO BEGIN Jan 2015		<input type="checkbox"/> Industrial	<input type="checkbox"/> Industrial
		<input type="checkbox"/> Stock	<input type="checkbox"/> Stock
		<input type="checkbox"/> Remediation	<input type="checkbox"/> Remediation
		<input type="checkbox"/> Dewatering	<input type="checkbox"/> Dewatering
		<input type="checkbox"/> Other* (please specify):	<input type="checkbox"/> Other* (please specify):

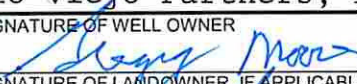
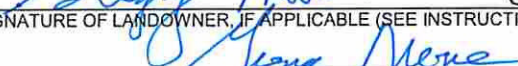
NOTE: If this is a Notice of Intent to construct a new well that will be used for the purpose of withdrawing groundwater for transportation to an Active Management Area (AMA) pursuant to A.R.S. § 45-552, 45-553, 45-554 or 45-555(A), the authorization to drill the well issued in association with this Notice **shall not be considered the approval to transport groundwater to an AMA.** (see instructions.)

SECTION 7. PROPOSED WELL CONSTRUCTION DESIGN (attach separate sheet if needed)																
Borehole			Casing													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					GROUTING MATERIAL	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE
0	20	14	+1	20	8 5/8	X*				X						Cement
20	300	7 7/8	+2	300	6		X			X						
300	500	7 7/8	300	500	6		X						X			0.030

* ADWR well construction standards require a surface seal consisting of a minimum of 20 feet of steel casing. Cement grout must be used to fill the annular space between the surface casing and the borehole. (A.A.C. R12-15-811(B))

The Department's issuance of an authorization to drill a well is not a determination of whether water withdrawn from the well is legally surface water or groundwater. The legal nature of the water withdrawn from the well may be the subject of court action in the future as part of a determination of surface water rights in your area. If there are court proceedings that could affect your well, you will be notified and be given the opportunity to participate. If you have questions regarding the legal nature of the water to be withdrawn from your proposed well, please consult with an experienced civil engineer, hydrologist or water rights attorney.

For the purposes of determining appropriate fees outside AMAs or INAs, "domestic purposes" is defined as "uses related to the supply, service and activities of households and private residences and includes the application of water to less than 2 acres of land to produce plants or parts of plants for sale or human consumption, or for use as feed for livestock, range livestock or poultry, as such terms are defined in A.R.S. § 3-1201."

SECTION 8. OPTIONAL BY PROPERTY OWNER AND WELL OWNER ONLY	
<input type="checkbox"/>	By checking this box, I hereby provide ADWR permission to enter the property for the purpose of taking water level measurements at this well. (See instructions.) Not applicable
SECTION 9. WELL OWNER AND PROPERTY OWNER SIGNATURE	
I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.	
TYPE OR PRINT NAME AND TITLE Rio Viejo Partners, LLC, by Southwest Nonprofit Housing Corporation, by	
SIGNATURE OF WELL OWNER 	DATE 10/23/2014
SIGNATURE OF LANDOWNER, IF APPLICABLE (SEE INSTRUCTIONS)  Gregory Moore, President	
DATE	

WELL REGISTRATION NUMBER
55 - 224069

☐ FILING ELECTRONICALLY*

COUNTY APPROVAL CODE

DWR 55-40 (REVISED 2/2012) Page 3 of 3

- The county tax assessor's parcel identification number and the acreage of the parcel. The parcel identification number ordinarily has at least eight digits, arranged in a book-map-parcel sequence (XXX-XX-XXX). This number and the acreage of the parcel can be obtained from the county tax assessor's office. Federal or State land will not have a parcel identification number.

Place of Water Use.

This information is mandatory and must be completed for the Department to process your application. **Water pumped from a well MAY NOT BE USED in a different groundwater basin than the groundwater basin where the well is located** unless you are transporting groundwater to an AMA pursuant to A.R.S. §§ 45-547, 45-552, 45-553, 45-554 or 45-555(A), see **Section 6 – Water / Site Information**. By signing this application, you are affirming that the responses you are submitting to the Department are accurate and complete. **NOTE:** If your well is being located near a groundwater basin boundary, you may want to verify the location using a Global Position System (GPS) unit.

Information on Boundaries of Groundwater Basins and Sub-basins is Now Available on the ADWR Website! To assist NOI applicants in locating groundwater basin and sub-basin boundaries, we are adding the Department's Basin and Sub-Basin Designations—June 1984 document to the ADWR website, <http://www.azwater.gov>. This document, describing in narrative and map form the official boundaries of each of the 46 groundwater basins and 27 sub-basins of the state not included in the five initial Active Management Area basins (AMAs), was published pursuant to A.R.S. § 45-404 on June 21, 1984. It may be helpful to first download a statewide map showing all of the basins and sub-basins of the state to better estimate which groundwater basin and sub-basin the proposed well may be located, before searching the official 1984 boundaries. You can also download maps of each AMA. These maps are available on the ADWR website, <http://www.azwater.gov>.

- Check the appropriate box to indicate whether the well and water use location are within the same groundwater basin.
- Fill in the legal description for the where the water to be produced from the well will be used. The legal description is the township, range, section, and in decreasing order, the quarters of that section so that the well location falls in a 10-acre block within that section.

Section 3 – Owner Information

Well Owner

Fill in the well owner's name, mailing address and telephone and fax numbers. If the well owner is a corporation, governmental unit or other entity, provide the name of a contact person.

Landowner

If the land is not owned by the well owner, fill in the landowner's name, mailing address, telephone and fax numbers and, if the landowner is a company or organization, the name of a contact person. If the landowner does not sign the signature block of the NOI form, then attach a copy of an access agreement or permission letter from the landowner indicating the landowner's approval of the proposed action.

Section 4 – Questions

Check the appropriate boxes and fill in information indicating the following:

1. Whether the well site is within 100 feet of a septic tank system, sewer disposal area, landfill or hazardous materials or petroleum storage area or tank. If yes, the applicant must request and obtain a variance from ADWR's well construction standards.
2. Whether there is any other well name or identification number for the well. Ranches often name wells and mining or other commercial operations often have their own numbers. There may be a Public Water Supply (PWS) number or a number provided by the Arizona Department of Environmental Quality.
3. Whether the proposed well is a new well in an AMA. If so, unless the proposed well is replacing a lawful exempt well and the total number of operable exempt wells on your land is not increasing, you must file supplemental form A.R.S. § 45-454(C) & (D), certifying whether any part of the land on which the well is to be drilled is within 100 feet of the operating water distribution system of a municipal water provider with an Assured Water Supply designation (designated provider) as shown on the provider's most recent digitized water service area map on file with ADWR. To make this determination, you must review the most recent digitized water service area maps of designated providers on file with ADWR. A current listing of designated water providers may be found at: <http://www.azwater.gov>.

Pursuant to A.R.S. § 45-454(C), if any part of the land on which the well is to be drilled is within 100 feet of a designated provider's operating water distribution system as shown on the provider's most recent digitized water service area map on file with

Completed forms may also be submitted to ADWR's main office in Phoenix at 3550 N. Central Ave., Phoenix, AZ 85012-2105.

reports must include information on the well as it was actually constructed and equipped.

The completed form must be legible and of good quality when received by ADWR so that it can be scanned into ADWR's permanent records. Also, if a fee is required, ADWR will not accept the form without the proper fee.

Time Frame for Processing an NOI

ADWR has 15 days after receipt of an NOI to perform an administrative completeness review to determine whether the NOI should be accepted or rejected and whether a drilling authority should be granted or denied. If ADWR determines an NOI to be incomplete or incorrect, ADWR will notify the applicant in writing and specify what information is necessary to make the NOI complete and correct. Until the requested information is received, the administrative completeness review time frame is suspended. If the information is not supplied within 60 days, ADWR may reject the NOI and deny the drilling authority.

Any NOI that includes a request for a variance from ADWR's well construction standards must undergo a substantive review after the administrative completeness review. The substantive review time frame is 35 days, making the overall time frame for approval or denial 50 days. ADWR may make one comprehensive written request for additional information during the substantive review time frame. If ADWR requests additional information, the substantive review time frame is suspended until ADWR receives all of the requested information. If the information is not submitted within 60 days, ADWR may reject the NOI and deny the drilling authority.

At the end of the review, ADWR will send written notice either granting or denying the drilling authority. If the drilling authority is granted, the drill card will be mailed directly to the drilling firm. This authority is valid for one year from the date ADWR received the NOI. If denied, ADWR's notice will state the reasons for the denial and provide an explanation of the applicant's right to appeal.

Forms to File After the Project is Completed

Within 30 days of installation of pumping equipment in the well, the well owner must file a Pump Installation Report (Form DWR 55-56). The pump installer may help fill out this form. Within 30 days of completion of the well construction, the well driller must file a Well Driller Report and Well Log (Form DWR 55-55). These

Run Date: 12/18/2014

AZ DEPARTMENT OF WATER RESOURCES

WELL REGISTRY REPORT - WELLS55

Location D 15.0 14.0 6 C B D Well Reg.No 55 - 224069 AMA TUCSON AMA

Registered Name RIO VIEJO PARTNERS, LLC
2455 E. SPEEDWAY BLVD., #101
TUCSON AZ 85719

File Type NEW WELLS (INTENTS OR APPLICATIONS)
Application/Issue Date 10/24/2014

Owner OWNER
Driller No. 621
Driller Name AZCA DRILLING & PUMP, INC.
Driller Phone 928-923-9118
County PIMA
Parcel No. 140-19-2770
Intended Capacity GPM 35.00

Well Type EXEMPT
SubBasin UPPER SANTA CRUZ
Watershed SANTA CRUZ RIVER
Registered Water Uses DOMESTIC
Registered Well Uses WATER PRODUCTION
Discharge Method NO DISCHARGE METHOD LISTED
Power NO POWER CODE LISTED

Well Depth 0.00 Case Diam 0.00 Tested Cap 0.00
Pump Cap. 0.00 Case Depth 0.00 CRT
Draw Down 0.00 Water Level 0.00 Log
Acres Irrig 0.00 Finish NO CASING CODE LISTED

Contamination Site: YES - TUCSON INTERNATIONAL AIRPORT

Tribe: Not in a tribal zone

Comments 5418 S. Park Ave., Tucson, AZ 85706
Revised legal description per county parcel map, 10/28/14 - bew
HOLD - Per Gregory Moore, he will mail 454-454(D) Requesting Exemption #2, driller's estimate, City of Tucson Water hook-up fee, and map showing well is not near WQARF site, review, today, 10/28/14 - bew

Current Action

12/10/2014 200 NOI SENDBACK TO APPLICANT
Action Comment: dgc

Action History

11/28/2014 205 NOI SENDBACK RECEIVED
Action Comment: dgc

11/10/2014 200 NOI SENDBACK TO APPLICANT
Action Comment: dgc - request for more information

11/5/2014 205 NOI SENDBACK RECEIVED
Action Comment: dgc for bew - 454 exemption received. Handed off to DGC for WQ reveiw

10/28/2014 855 CHANGE OF WELL LEGAL DESCRIPTION
Action Comment: OLD LEGAL DESC: D(15.0-14.0) 6 000

10/28/2014 880 CHANGE IN REMEDIAL ACTION SITE CODE
Action Comment: OLD WQARF code: NPDOD WITHIN 1 MI OF A NPL/DOD SITE

10/28/2014 200 NOI SENDBACK TO APPLICANT
Action Comment: dgc for bew- requested 454 exemption form

10/24/2014 150 NOI RECEIVED FOR A NEW PRODUCTION WELL
Action Comment: bew

45 days 12/18/14

26 days

David G. Christiana

From: Fred Coy <Fred.Coy@tucsonaz.gov>
Sent: Thursday, December 04, 2014 11:52 AM
To: David G. Christiana
Cc: Chuck Faas; Michael Liberti; Ray Munoz; Richard Sarti
Subject: Rio Viejo apartments
Attachments: Rio Viejo area water system map.pdf; Rio Viejo original plan_drawing_and quote.pdf; Rio Viejo revised plan.pdf

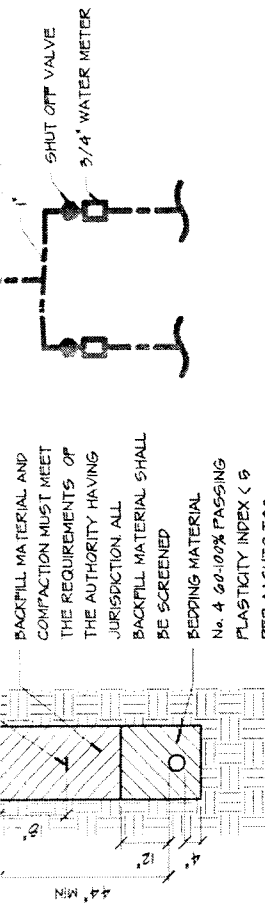
Hi Dave: Thanks for the phone call today. As promised, I scanned some relevant project documents that I am attaching to this email. These would be:

1. The water map of the area around the proposed apartment complex - I have highlighted the parcel. Please note that there are water mains fronting both the east and south property lines. According to our records there are two inactive 1" water services along Park Ave that were installed in 1967, so technically they are already served by Tucson Water. They could get two 1" meters that deliver 38 gallons per minute each for \$4,312 each using the existing infrastructure.
2. This is a scan of the Tucson Water price quote, construction drawing and the developer's water site plan submitted to Tucson Water on 7/2/14. Note that this water site plan shows private sub meters that are supplied from a 3" Tucson Water large meter assembly capable of delivering 270 gallons per minute. The plan also shows a proposed fire hydrant and water main extension across private property to supply both the hydrant and large meter.
3. This is a scan of a revised water plan. It calls for an additional ~400 feet of 8" water main, a second connection to the water system and 103 additional water meters. I believe this is the water site plan that you received from the developer.

I hope this helps to clarify what has been submitted to Tucson Water and to your office. Feel free to call or email if you need any more information or assistance from Tucson Water with respect to this project.

Best regards,

Frederick Coy
Planning and Engineering
Tucson Water
Phone 520.837.2220



WATERLINE TRENCH

D4 NTS

WHEN NECESSARY, BECAUSE OF SPACE LIMITATIONS OR FOR TRENCH SAFETY AND/OR THE PROTECTION OF EXISTING ADJACENT ABOVE OR UNDERGROUND FACILITIES, TRENCH SHORING AND/OR SHEETING IS INSTALLED. THE SHORING AND/OR SHEETING SHALL COMPLY WITH CURRENT OSHA REGULATIONS.

- ALAMOSA "A"
- 2 W/C 22" = 4.4
- 3 LAV 0.7" = 2.1
- 2 TUB 1.4" = 2.8
- 1 SINK 1.4" = 1.4
- 1 D/W 1.4" = 1.4
- 1 WASHER 1.4" = 1.4
- 2 H-B 1" = 2.0
- 19.5
- BOLDER "B"
- 2 W/C 22" = 4.4
- 3 LAV 0.7" = 2.1
- 2 TUB 1.4" = 2.8
- 1 SINK 1.4" = 1.4
- 1 D/W 1.4" = 1.4
- 1 WASHER 1.4" = 1.4
- 2 H-B 1" = 2.0
- 19.5

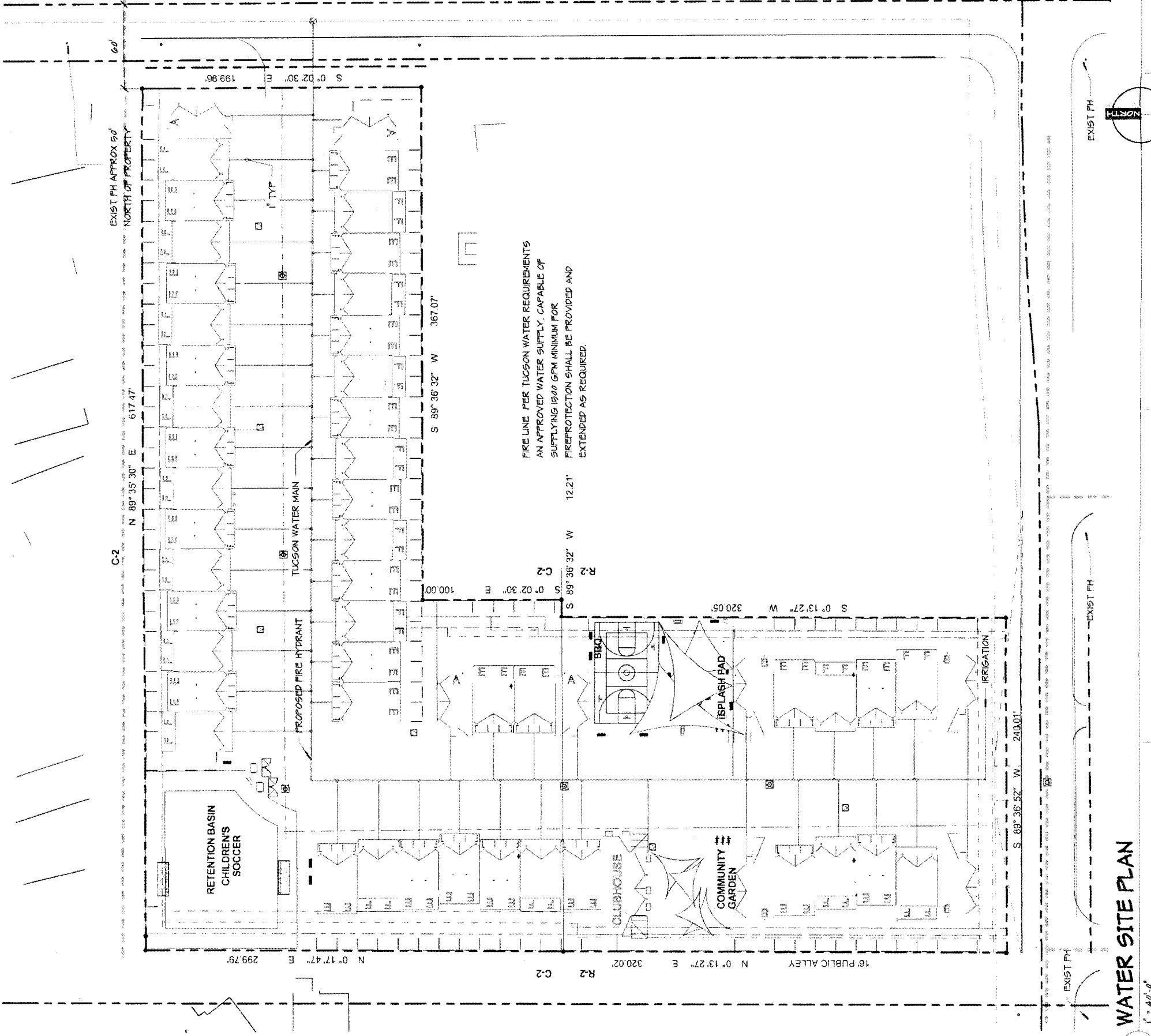
- ELDORADO "E"
- 2 W/C 22" = 4.4
- 2 LAV 0.7" = 1.4
- 2 TUB 1.4" = 2.8
- 1 SINK 1.4" = 1.4
- 1 D/W 1.4" = 1.4
- 1 WASHER 1.4" = 1.4
- 2 H-B 1" = 2.0
- 14.8

- FRISCO "F"
- 2 W/C 22" = 4.4
- 3 LAV 0.7" = 2.1
- 2 TUB 1.4" = 2.8
- 1 SINK 1.4" = 1.4
- 1 D/W 1.4" = 1.4
- 1 WASHER 1.4" = 1.4
- 2 H-B 1" = 2.0
- 19.5

- CLUBHOUSE
- 2 W/C 5.0" = 10
- 2 LAV 2.0" = 4.0
- 1 SINK 4.0" = 4.0
- 2 H-B 1" = 2.0
- 20.0

SPLASHPAD
1 - 1" WATER METER
IRRIGATION
1 - 1" WATER METER
APARTMENTS
101 - 3/4" WATER METERS

CITY OF TUCSON		DEVELOPMENT PACKAGE	
Standard Plan	PS&D APPROVAL	SCZ	
Technical Plan		FRZ	
Grading		HOZ	
SWEEP		WASH	
FUP		Other	
DVPMG MGR		Date	
Zoning		Date	
Engineering		Date	
H/C file		Date	
Fire		Date	
Landscape		Date	
PLANS		Date	
Revision #		per letter in BLUE	

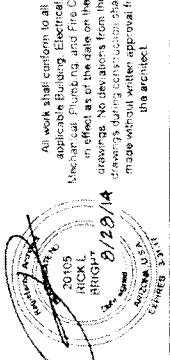


WATER SITE PLAN

1" = 40'

4-15-14

BRIGHT DESIGN ASSOCIATES
660 S. Country Club
Tucson, Arizona 85716
Tel: 520.529.1878
Fax: 520.292.1142
E-MAIL: rbright@brightdesignassoc.com
www.brightdesignassoc.com



- DEVELOPMENT PLAN
- UNIT ELEVATIONS
- SEWER SITE PLAN
- SEWER PLAN AND PROFILE
- SEWER DETAILS
- WATER SITE PLAN
- ELECTRICAL SITE PLAN
- UTILITY PLAN
- PHASING PLAN
- GRADING PLAN
- GRADING PLAN
- BUILDING GRADING PLAN
- BUILDING GRADING PLAN
- OPEN SPACE GRADING PLAN
- HORIZONTAL CONTROL PLAN
- HORIZONTAL CONTROL PLAN
- SITE DETAILS
- SITE DETAILS
- SITE DETAILS
- SITE DETAILS
- NPP PLAN
- NPP PLAN TABLES
- PLANTING PLAN
- IRRIGATION PLAN

RIO VIEJO APARTMENTS

BLOCK I RIO VIEJO APARTMENTS

RIO VIEJO PARTNERS LLC

Mark	Date	Description

Project number	111
Date	8/29/2014
Drawn by	BRIGHT
Checked by	BRIGHT
Copyright	Copyright Bright Design Associates, PLC
Sheet Title	

WATER SITE PLAN

Sheet No. **C1.6** of 25

TUCSON WATER
SYSTEM
VALVE MAP

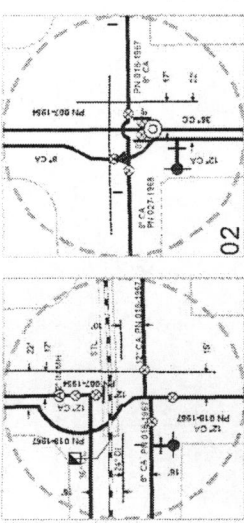
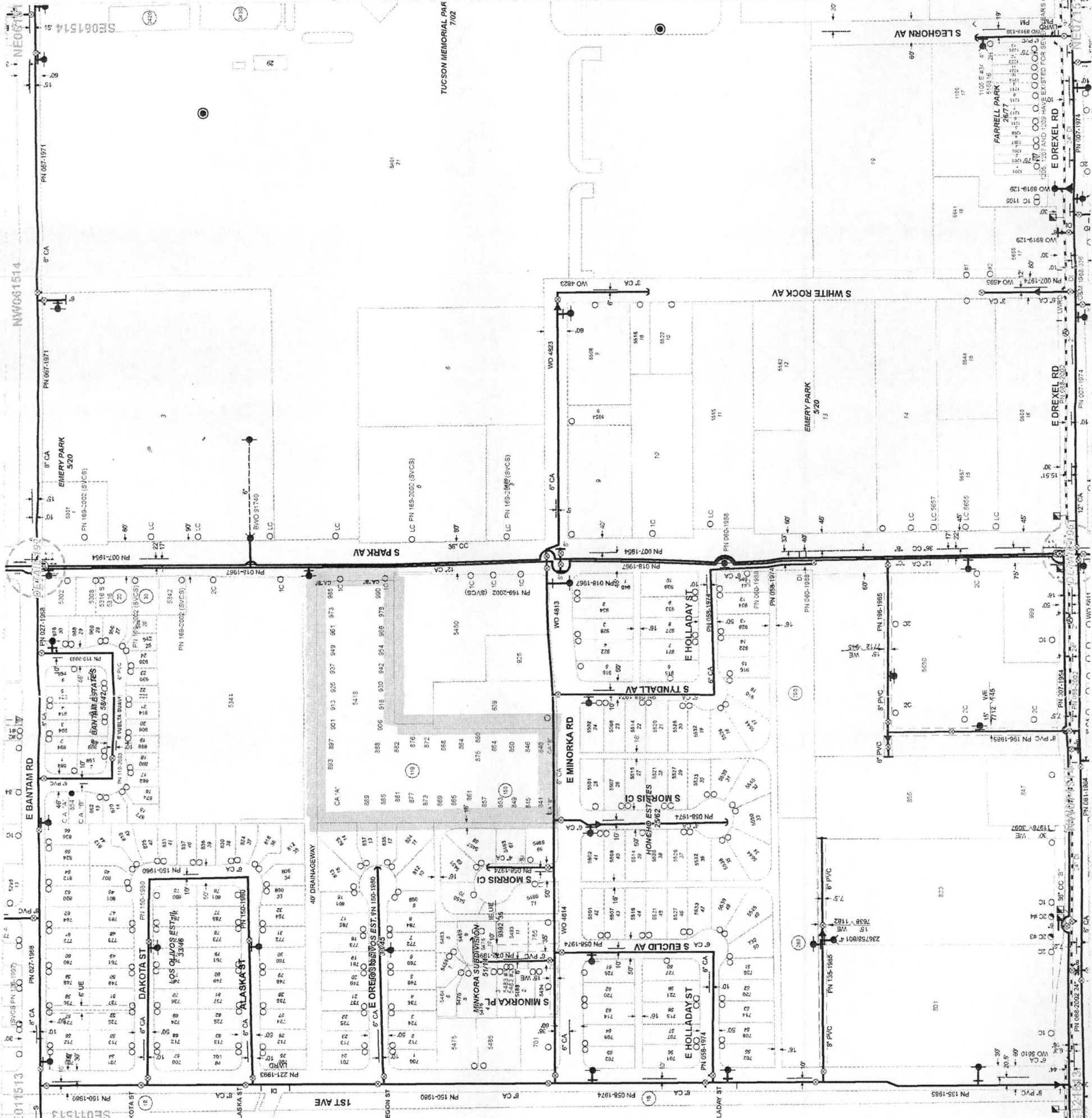


NOTES:

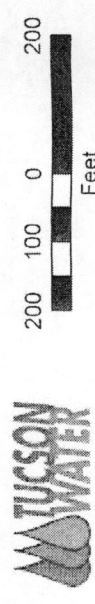
NO.	DESCRIPTION
-----	-------------

ABANDONMENTS:

NO.	DESCRIPTION
-----	-------------



- Legend**
- Booster
 - CTS
 - CTS with Anode
 - CTS with Reference Electrode
 - Recloser
 - Air Release Valve
 - Blowoff Valve
 - Drain Valve Assembly
 - Fire Protection
 - Meterelease Protection
 - Blind Flange
 - Bottom Outlet
 - End Cap
 - Flanged Cross
 - Flanged Tee
 - Plug
 - Reducer
 - Subout
 - Tapped End Cap
 - Top Outlet
 - Open Gate Valve
 - Closed Gate Valve
 - Open in Manhole
 - Closed in Manhole
 - Hydrant Valve
 - Open Butterfly Valve
 - Closed Butterfly Valve
 - Open Butterfly in Manhole
 - Closed Butterfly in Manhole
 - Hydrant Butterfly
 - Check Valve
 - Corporation Stop
 - Gate Valve Zone Boundary
 - Butterfly Valve ZB
 - Gate ZB in manhole
 - Butterfly ZB in manhole
 - Fire Hydrant
 - Standpipe Hydrant
 - Manhole
 - Compound Meter
 - Turbometer
 - Irrigation Service
 - Temporary Remote Service
 - Water Service
 - Critical Customer
 - Spot Service
 - Transfer Valve
 - Monitor Well
 - Production Well
 - VO Sampling
 - POTABLE WATER MAIN
 - PRIVATE WATER MAIN
 - NONPOTABLE WATER MAIN
 - PROPOSED MAIN (not as-built)
 - Concrete
 - Steel
 - Extant





CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	39.27	25.00'	90°00'00"
C2	39.27	25.00'	90°00'00"
C3	48.82'	1025.50'	02°43'40"
C4	47.61'	1000.00'	02°43'40"
C5	46.39'	974.50'	02°43'40"
C6	42.83'	974.50'	02°31'05"
C7	43.95'	1000.00'	02°31'05"
C8	45.07'	1025.50'	02°31'05"
C9	115.78'	60.00'	10°33'45"
C10	39.18'	25.00'	89°47'05"
C11	39.12'	25.00'	89°39'01"
C12	39.42'	25.00'	90°20'59"

EMERY PARK UNIT 6
BK 05, PG 20 M&P

MORRISON MEMORIAL
BK 07, PG 02 M&P

FOR SITE PLAN
OF UNIT #'S
SEE EB 11028

3-14-38

EXP. 6-30-38

ALABAMA
ST. MARY'S
3/18/38

St. W. - 1000
506 4/30/38

S13-001

CASE REFERENCE NO: S07-085. C9-80-39

A FINAL PLAT FOR
RIO VIEJO APARTMENTS, BLOCK 1
A RE-SUBDIVISION OF BLUE SKY SUBDIVISION, LOTS 1-42, COMMON
AREA "A" (DRAINAGE, RECREATION & UTILITY), COMMON AREA "B"
(LANDSCAPE), BK 66, PG 19

LOCATED IN A PORTION OF SECTION 6,
T2S 34N R3E PM CO. ARIZONA. CITY OF TUCSON

GREG CARLSON ENGINEERING, L.L.C.
1100 E. 1st St., Suite 200, St. Paul, MN 55101
Tel: 612.291.1100 Fax: 612.291.1101
www.gregcarlson.com

1521 E. Broadway Blvd., Tucson, AZ 85719
(520)-624-0070 fax (520)-624-4197
e-mail: goang@goang.biz

RECEIVED BY: FBI DATE: FEBRUARY, 2013

Two working days before you dig.
CALL FOR BLUE STAKES
1-800-782-5348
BLUE STAKE CENTER

CHECKED BY: GRC
DATE: FEBRUARY, 2013



**TUCSON WATER
NEW SERVICES FH/FS
CONTRACT**

Address of Site: 5478 S. Park Ave Loc. ID#: _____
 Name of Development: Rio Viejo Apts. Cust. ID#: _____
 Responsible Party for Fire Service: _____
 Legal Description: _____
 Location of Tap: _____

Name: Rick Bright RBright@brightdesigns.com Phone Number: 529-1878
 Fax #: 292-1192

Tucson Water reserves the right to install Fire Services and Fire Hydrants at locations that field conditions dictate. Domestic water service shall not be interconnected with any Fire Services. All Fire Service and Fire Hydrants shall be field staked by the applicant and installed by Tucson Water.

	Number	Size	Each		
500 GPM Low Flow Hydrant	1	12" x 8" TS & V	@ 3000.00	\$	3000.00
City of Tucson	1	8" x 4" TS & V	@ 1900.00	\$	1900.00
Pima County	1	6" Valve	@ 1500.00	\$	1500.00
Marana	1	4" 90°	@ 400.00	\$	400.00
Other	1	8" x 6" Reducer	@ 400.00	\$	400.00
15.0' wide water easement			@	\$	
			@	\$	
			@	\$	
Qty. Size	1	Fire Hydrant	@ 2900.00	\$	2900.00
			@	\$	

	Length	Size	PRICE/FOOT		
1 1 FT/8" Main Extension	410'	8" PVL	@ 40.00	\$	16,400.00
approx 400-450 Fire Hydrants in	10'	6" DIP	@ 35.00	\$	350.00
Public Right-of-Way	15'	4" DIP	@ 34.00	\$	510.00
			@	\$	
1 Service Conn.			@	\$	
1 3" Water Meter	Temp Placement	2 yd ²	@ 45.00	\$	90.00
	Type A-2" AC	2 yd ²	@ 55.00	\$	110.00
	Concrete Sidewalk	36 yd ²	@ 30.00	\$	1080.00
1 Other	Traffic	2 days	@ 300.00	\$	600.00
Valve Map No.:	3" meter assembly	1	@ 12,999.00	\$	12,999.00
	Fence Around meter	1	@ 1250.00	\$	1250.00
Water Meter WO#			@	\$	
Water Meter WO#	PDEQ Exemption		@ 50.00	\$	50.00
Fire Service WO#					

Installation Cost	\$	43,539.00
BF Permit Fees	\$	76.51
City Fees	\$	617.00
System Equity Fee	\$	20,976.00 + 3,200.00
meter cost	\$	3000.00
Total Cost	\$	71,408.51

CUSTOMER SIGNATURE

The charges contained herein are calculated on known conditions and may be subject to change due to CAP/ field conditions. Customer will be contacted prior to any charges added; to include inspection, engineering and/or administrative costs associated with the project. Customers who request any changes after having signed the application and having made payment shall have 30 days after receiving a revised quote to provide the final payment for the revised work. Should the customer not provide final payment, the work will be cancelled, the customer will be refunded the original payment less a cancellation fee, administrative fee and/or any non-refundable contract fees.

Prepared By: _____ Date: _____
 Quote No.: _____ Drawing No.: _____
 DR Number: 36041- 224

CHK # 1208
 Due - 70,791.51

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 - C1.7
 - C1.8
 - C1.9
 - C1.10
 - C5.1
 - C5.2
 - C5.3
 - C5.4
 - C5.5
 - L1.1
 - L1.2
 - L2.1
 - L3.1
- DEVELOPMENT PLAN
UNIT ELEVATIONS
SEWER SITE PLAN
WATER SITE PLAN
ELECTRICAL SITE PLAN
PHASING PLAN
UTILITY PLAN
GRADING PLAN
GRADING PLAN
SITE DETAILS
SITE DETAILS
SITE DETAILS
SITE DETAILS
NPP PLAN
NPP PLAN TABLES
PLANTING PLAN
IRRIGATION PLAN

RIO VIEJO
APARTMENTS

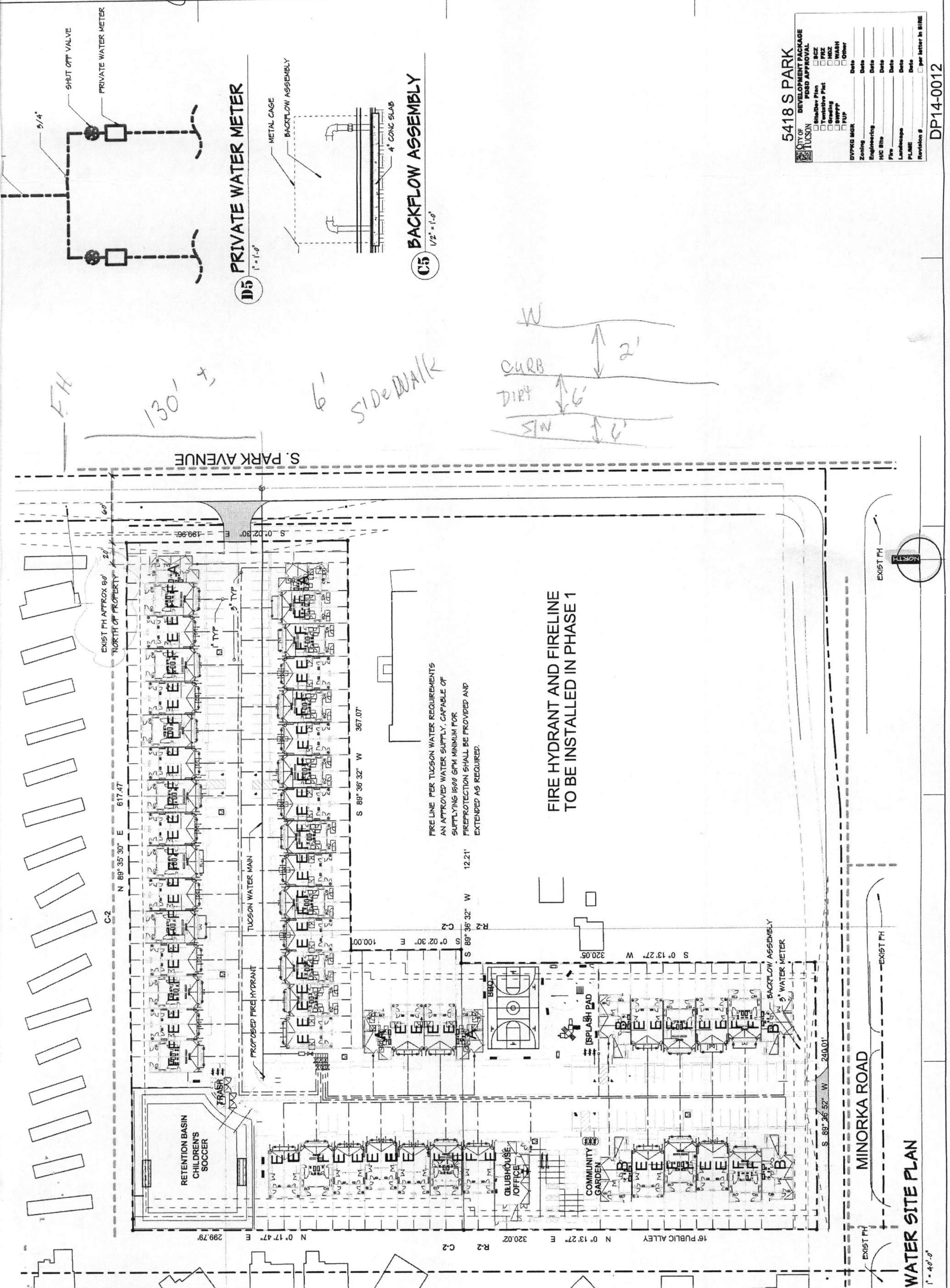
BLOCK 1 RIO VIEJO
APARTMENTS

RIO VIEJO
PARTNERS LLC

Mark	Date	Description

Project number	111
Date	6/17/2014
Drawn by	BRIGHT
Checked by	BRIGHT
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Sheet Title	

WATER SITE PLAN



5418 S PARK

DEVELOPMENT PACKAGE

CITY OF TUCSON

FUSD APPROVAL

☐ BlueDev Plan

☐ BCZ

☐ PEZ

☐ Tentative Plat

☐ HAZ

☐ Grading

☐ EROSION

☐ FUD

☐ Other

DYKES MGR

DATE

Zoning

Engineering

HAC Site

Fire

Landscaping

PLANE

Revision #

per letter in BLUE

DP14-0012

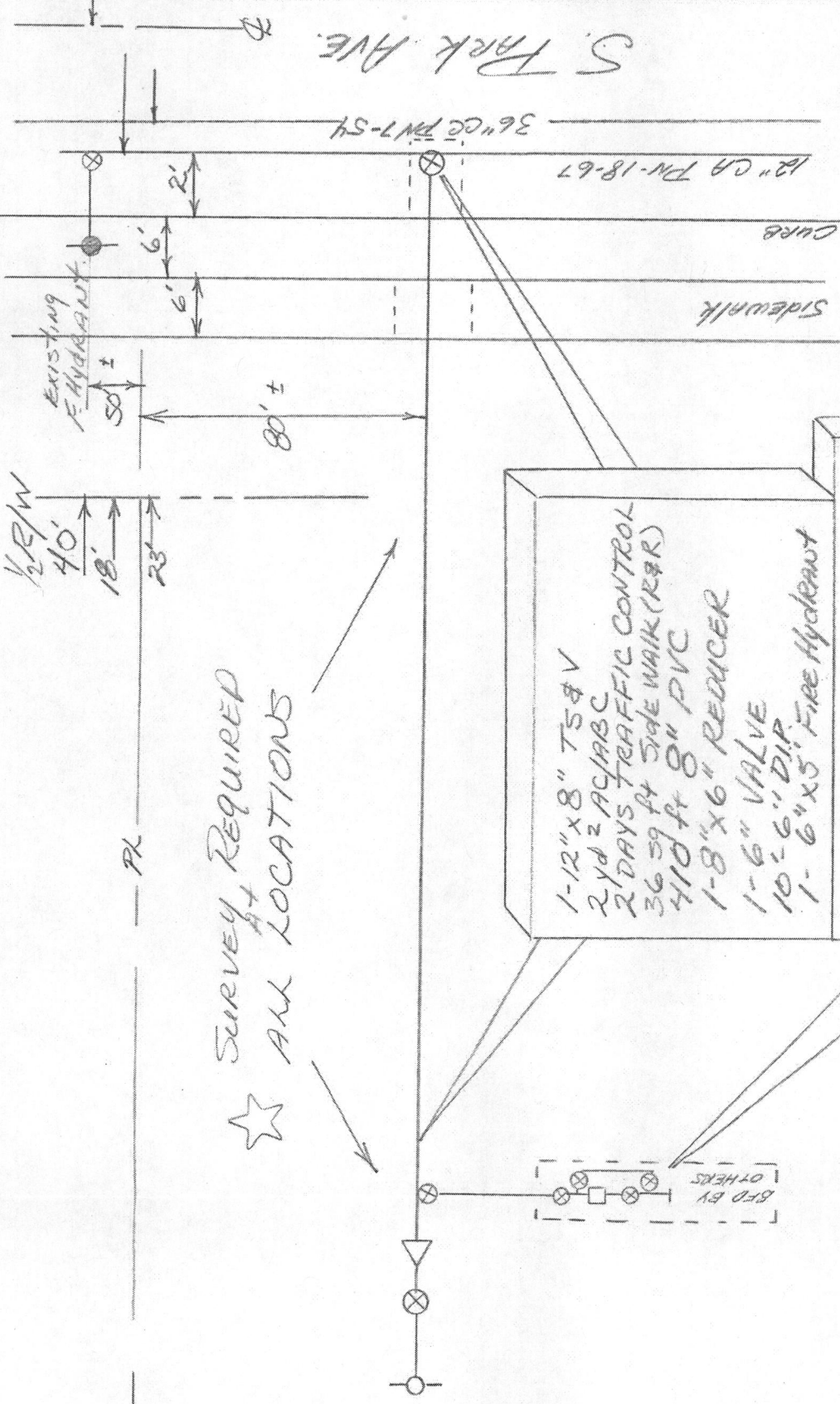


WATER SITE PLAN

1/2 R/W
40'
18'
23'

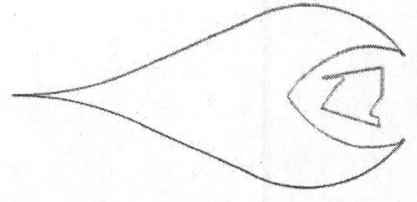
PK

★ Survey Required
ALL LOCATIONS



- 1-12"x8" TS&V
2yd 2 AC/ABC
2 DAYS TRAFFIC CONTROL
36 59 ft SIDEWALK (R&R)
410 ft 8" PVC
1-8"x6" REDUCER
1-6" VALVE
10'-6" DIP
1- 6"x5" Fire Hydrant
- 1-8"x4" TS&V
10'-4" DIP
1- 4" 90°
5'-4" D.I.P
1- 3" METER ASSEMBLY
1- FENCE ENCLOSURE

BY OTHERS



MAPPING INFO

1" = 200' BY: _____ ON: _____
1" = 800' BY: _____ ON: _____
CHECKED: _____ DATE: _____

INSPECTOR'S COPY

INSPECT.: _____
CONTR.: _____
START: _____
FINAL: _____
PIPE: _____ DI: ☐ CA ☐ PVC ☐
B.F.S.: _____
GATES: _____
F.H.'S: _____
SVC PIPE: PE ☐ C ☐ YES NO
MAGNETIC TAPE INSTALLED ☐ YES NO
REBAR RINGS INSTALLED ☐ YES NO

TYPE OF WORK	SIZE	AMOUNT
MATERIALS		
PIPE	8" PVC 6" DIP 4" DIP	40, 10, 15
T.S. & VALVE	12x8, 8x4	1, 1
F.H.:	6"x5", 8"x6 REDUCER	1, 1
SERV.CONN.:	3" METER ENCLOSURE	1, 1
ASPH.REPL.:	AC/ABC	2yd 2
MATERIALS	SIDEWALK TRAFFIC	36 59 ft 2 days

ON CALL F.H. & F.S. JOC CONTRACT (2012-)
CONTRACT # 120452 D. R. # 36041 -

5418 S. Park Ave

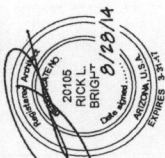
VALVE MAP: SW 06-15-14 PROTECTED MAIN: YES NO ☐ ☐

DATE: 7/7/14 SCALE: NTS DRAWN BY: TRICON

APPROVED BY: _____ DATE: _____ WORK ORDER # 8929 PG. OF



BRIGHT DESI
A PROFESSIONAL LLM
660 S. C
Tucson, Ar
Tel 520.
Fax 520
E-MAIL rbright@b
www.brightd



C1.1	DEV
C1.2	UNIT
C1.3	SEW
C1.4	SEW
C1.5	SEW
C1.6	WAT
C1.7	ELEK
C1.8	UTIL
C1.9	PHA
C1.10	GRA
C1.11	GRA
C1.12	GRA
C1.13	BUIL
C1.14	BUIL
C1.15	OPE
C1.16	HOR
C1.17	HOR
C1.18	HOR
C5.1	SITE
C5.2	SITE
C5.3	SITE
C5.4	SITE
C5.5	SITE
L1.1	NPP
L1.2	NPP
L2.1	PLA
L3.1	IRRI

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APART

BLOCK I F
APART

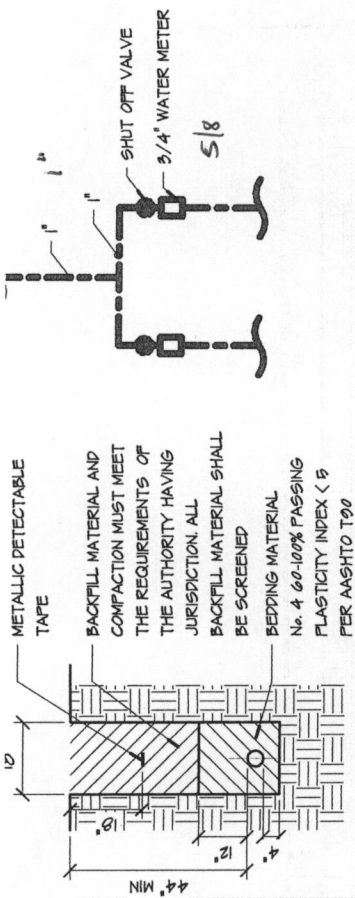
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Date
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WATER S

Sheet No. C1



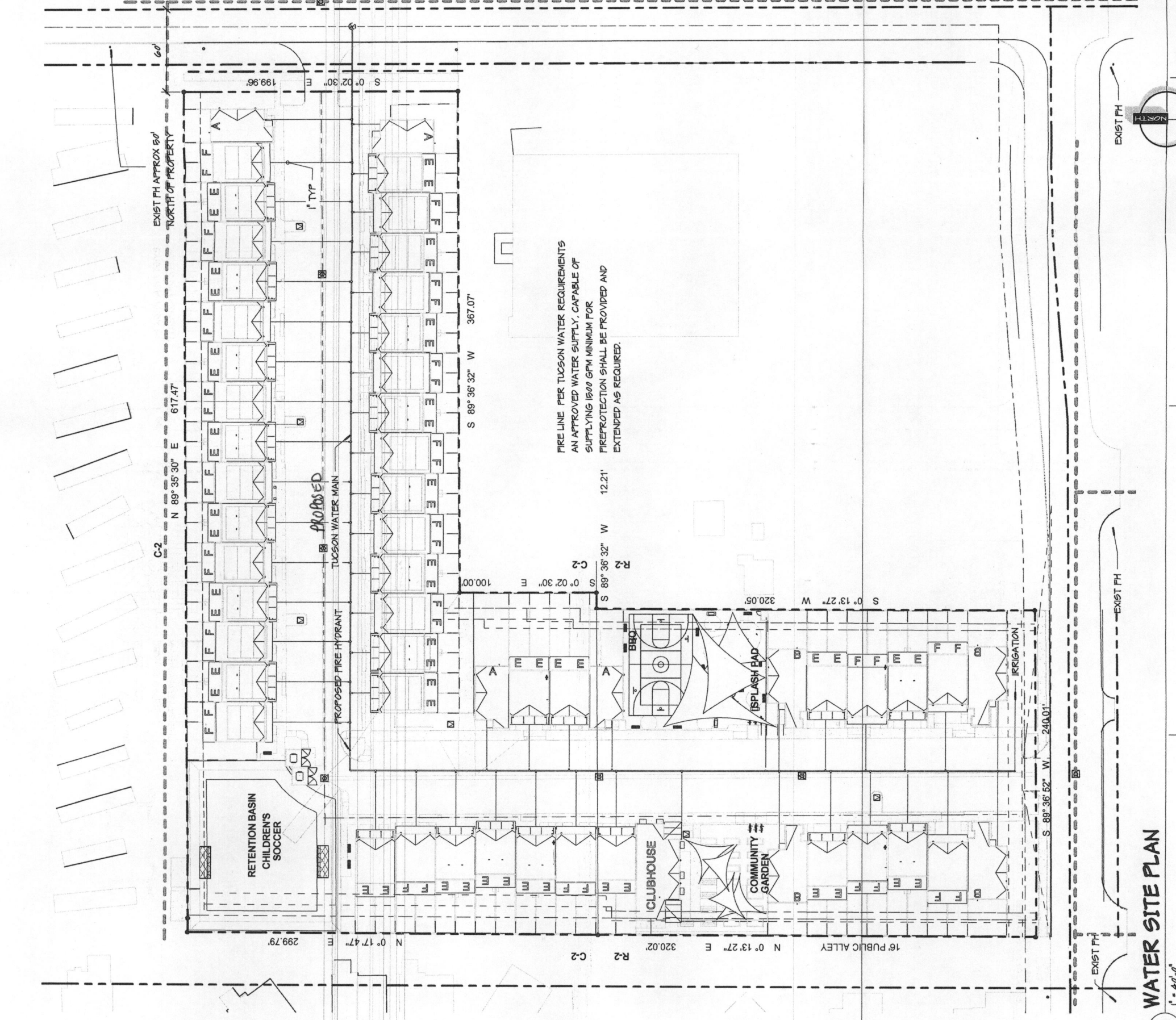
WATERLINE TRENCH
D4 NTS
D5 NTS
WATER METER

WHEN NECESSARY, BECAUSE OF SPACE LIMITATIONS OR FOR TRENCH SAFETY AND/OR THE PROTECTION OF EXISTING ADJACENT ABOVE OR UNDERGROUND FACILITIES, TRENCH SHORING AND/OR SHEETING IS INSTALLED, THE SHORING AND/OR SHEETING SHALL COMPLY WITH CURRENT OSHA REGULATIONS.

ALAMOSA "A"	
2 W/C	2.2 = 4.4
3 LAV	0.7 = 2.1
2 TUB	1.4 = 2.8
1 SINK	1.4 = 1.4
1 D/W	1.4 = 1.4
1 WASHER	1.4 = 1.4
2 H-B	2.0 = 2.0
15.5	
BOULDER "B"	
2 W/C	2.2 = 4.4
3 LAV	0.7 = 2.1
2 TUB	1.4 = 2.8
1 SINK	1.4 = 1.4
1 D/W	1.4 = 1.4
1 WASHER	1.4 = 1.4
2 H-B	2.0 = 2.0
15.5	
ELDORADO "E"	
2 W/C	2.2 = 4.4
3 LAV	0.7 = 1.4
2 TUB	1.4 = 2.8
1 SINK	1.4 = 1.4
1 D/W	1.4 = 1.4
1 WASHER	1.4 = 1.4
2 H-B	2.0 = 2.0
14.9	
FRISCO "F"	
2 W/C	2.2 = 4.4
3 LAV	0.7 = 2.1
2 TUB	1.4 = 2.8
1 SINK	1.4 = 1.4
1 D/W	1.4 = 1.4
1 WASHER	1.4 = 1.4
2 H-B	2.0 = 2.0
15.5	

FLASHPAD
1-1" WATER METER
IRRIGATION
1-1" WATER METER
APARTMENTS
101 - 3/4" WATER METERS

CITY OF TUCSON
DEVELOPMENT PACKAGE
PBSD APPROVAL
SCZ
PRZ
HZZ
WASH
FUP
DVPKG MGR
Zoning
Engineering
NIC Site
Fire
Landscape
PLANE
Revision #
per letter in 810E



WATER SITE PLAN

Sheet No. A1

EXIST PH

EXIST PH

EXIST PH





Tucson International Airport Area Superfund Site

U.S. Environmental Protection Agency • Region 9 • San Francisco, CA • January 2012

What's Inside?

The Tucson International Airport Area (TIAA) **Superfund*** Site is comprised of several contaminated groundwater **plumes** and individual cleanup project areas.

The source of contamination is from multiple industrial activities that occurred from the WWII era (1940s) until the 1990s.

Several legal settlements have resulted in the construction of a number of cleanup systems, which will be discussed in this fact sheet.

This fact sheet is designed to be a general reference document as well as a site update. Inside you will find maps of current groundwater contamination, a discussion of efforts to address an emerging contaminant, and specific information about various project area cleanups.

Updates

Federal Facility Agreement with Air Force

In September 2011 the Air Force signed a Federal Facility Agreement with the Environmental Protection Agency (EPA) and the Arizona Department of Environmental Quality (ADEQ) to clean up Air Force-owned property at Air Force Plant 44. Under the terms of the agreement, the Air Force will work with the EPA and ADEQ to clean up areas impacted by Air Force Plant 44 south of Los Reales Road.

The agreement provides for regulatory oversight of the Air Force's Superfund work at Air Force Plant 44 and allows for assessment of penalties if the work is not completed or is inadequate. For the past several years, the Air Force has been conducting work at the site without a formal enforcement agreement for EPA and state oversight. This agreement will ensure EPA and ADEQ have an active role in the investigation and cleanup performed by the Air Force. It also provides a framework for the work to be done and a schedule for all the work required at the site.

The document is available at the El Pueblo Tucson library as well as online (see "For more information" at the end of this fact sheet).

Staff Change

Richard Muza, the EPA Remedial Project Manager for the Air Force Plant 44 Operable Unit, will no longer be working on this site. Martin Zeleznik, previously the EPA Remedial Project Manager for all of the other Operable Units, will now be overseeing the entire site.

Susan Hess, the previous ADEQ Project Manager for the site, is no longer working at ADEQ. Marc Herman is now the ADEQ Project Manager for the TIAA Superfund Site.

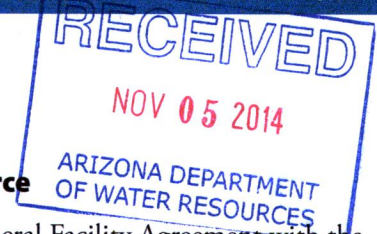


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Updates	1, 3-4	Contact information	8
Background on different project areas	5-6		

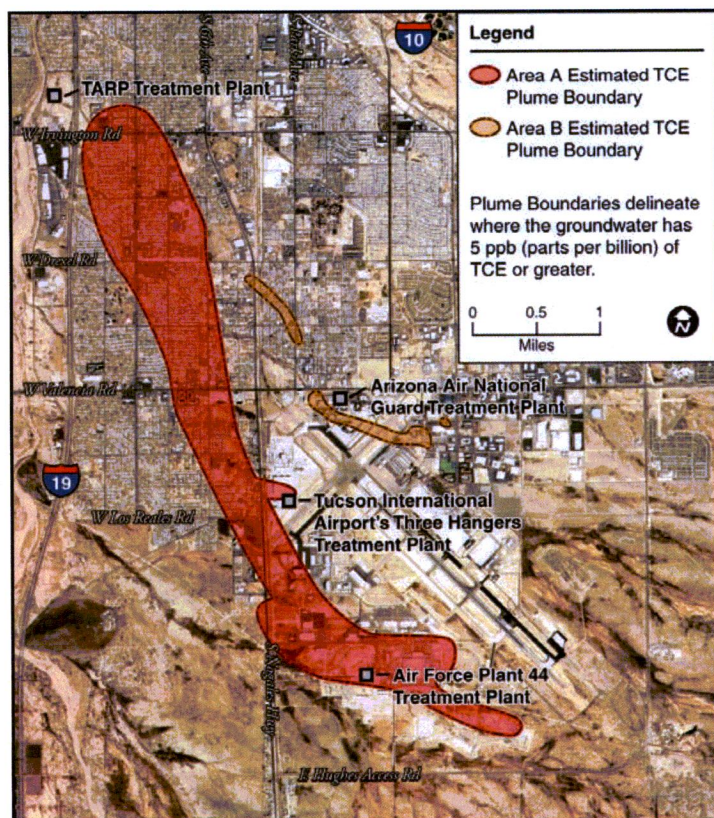


Figure 1: 2011 mapped data for concentrations of TCE in groundwater.

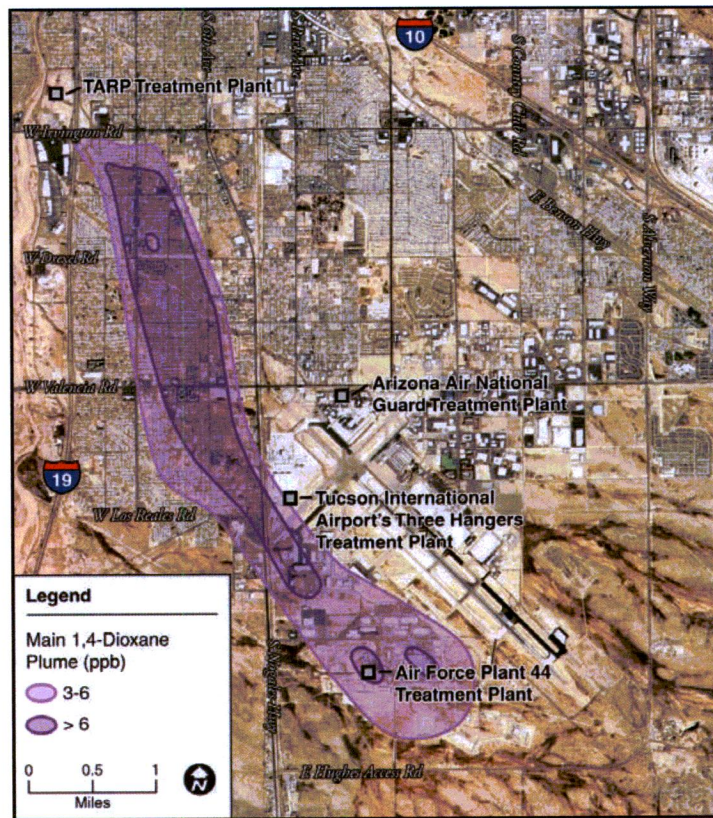


Figure 2: 2008 mapped data for concentrations of 1,4 Dioxane in groundwater. New data is currently being obtained.

Overall Site History and Overview

In 1981, the EPA and City of Tucson sampled and analyzed the **groundwater** from city wells and found high levels of **volatile organic compounds (VOCs)**, including **trichloroethylene (TCE)**. The wells were immediately closed and are no longer used for drinking water. The site became a federal **Superfund** Site in 1983, and EPA and ADEQ have been investigating and cleaning up the site ever since.

Air Force Plant 44 is the largest source of groundwater and soil contamination at this site. The main underground contaminant **plume** from Air Force Plant 44 and the airport has mingled and extended northward.

The entire Tucson International Airport Area (TIAA) Superfund Site encompasses about 10 square miles in the southeast part of Tucson. It includes seven different project areas,

the largest being Air Force Plant 44, Tucson International Airport, and Tucson Airport Remediation Project (TARP), known as "Area A". The smaller areas are Texas Instruments, West-Cap, Arizona Air National Guard Base, and West Plume B, which are grouped together and called "Area B".

There are treatment plants at Air Force Plant 44, Tucson International Airport, Tucson Airport Remediation Project, and the Arizona Air National Guard that address VOCs such as TCE. A new treatment plant at Air Force Plant 44 has been added to treat **1,4-dioxane**. Air Force Plant 44 and Tucson International Airport's treatment plants contain the plume and decrease the contaminants, making the water manageable for TARP to clean to drinking water standards and release to the city of Tucson's drinking water supply. Cleanup activities are at different stages at each of the sites.

1, 4-Dioxane

1,4-Dioxane is a secondary contaminant at the TIAA site. Because it is a solvent itself and a stabilizer for other solvents, 1,4-dioxane is a groundwater contaminant at the TIAA site and many other Superfund sites where solvents such as TCE and 1,1,1-trichloroethane (TCA) are the primary contaminants of concern.

1,4-Dioxane does not stick to soil particles, so once released to the ground, it moves quickly into groundwater. Because it does not degrade under natural conditions, it remains in groundwater and migrates with it, sometimes moving faster than other contaminants.

When present at Superfund sites, 1,4-dioxane is a contaminant of concern because it has been shown to cause cancer in laboratory animals and is reasonably anticipated to be a human carcinogen.

EPA Revisions to Toxicity Levels for 1,4-Dioxane

In August 2010, EPA revised its toxicity assessment of 1,4-dioxane and determined that it is a more potent carcinogen than previously believed. As a result, the protective risk range for 1,4-dioxane levels in drinking water was lowered to between 0.35 ppb (parts per billion) and 35 ppb for a lifetime of exposure. Current laboratory procedures limit the ability to detect and measure 1,4-dioxane in drinking to levels of 0.5 to 1 ppb. Since the revised assessment, the Tucson

Airport Remediation Project (TARP) has maintained 1,4-dioxane levels in drinking water to about 1 ppb, well within the risk range. Previously levels were held to below 3 ppb (also within the revised risk range).

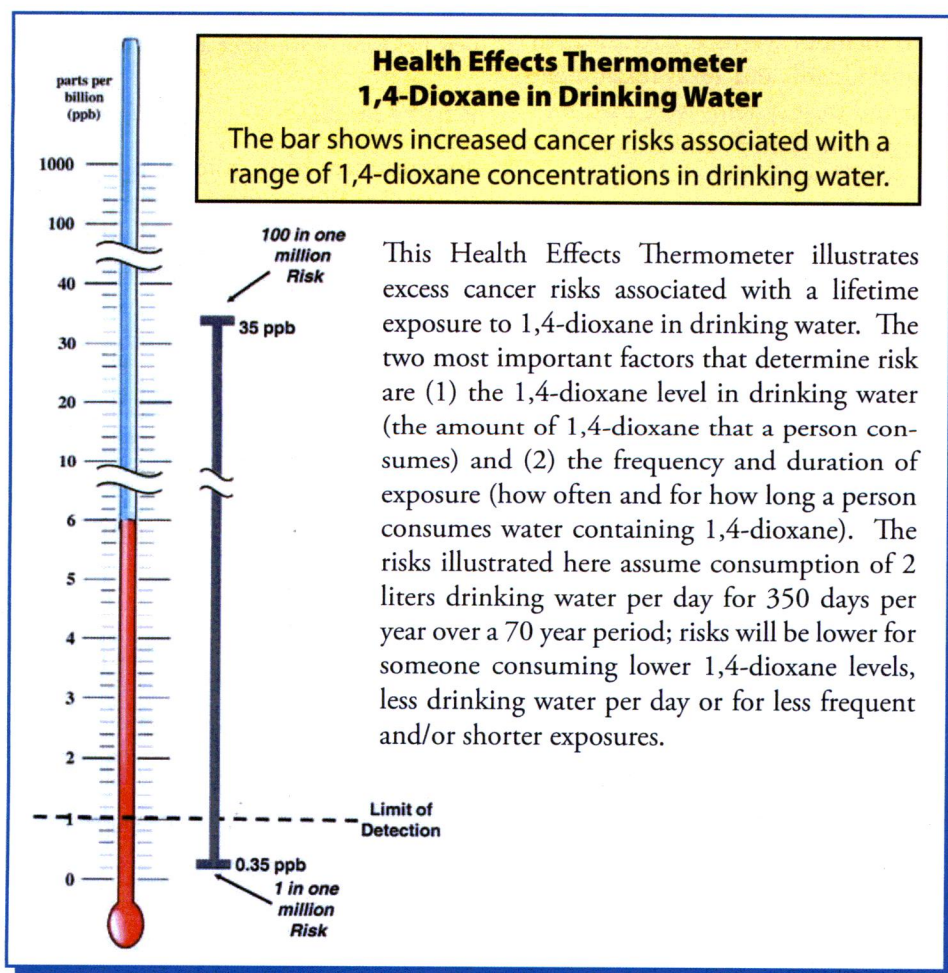
How can 1,4-dioxane in ground water be treated?

The technology currently being used to treat ground water for TCE at Tucson Airport Remediation Project (TARP), operated by Tucson Water, is not effective in removing 1,4-dioxane. At the present time, Tucson Water is using a blending strategy to lower the 1,4-dioxane concentrations to meet the revised protective risk levels.

EPA and the TIAA Responsible Parties are currently evaluating the extent of the 1,4-dioxane contamination to determine which treatment methods are appropriate for the TIAA Superfund Site. In September 2009, an advanced oxidation process treatment system applying a combination of hydrogen peroxide and liquid ozone was put into operation at Air Force Plant 44. This type of system has been used in several sites around the country with 1,4-dioxane contamination. However, there is a concern that the use of hydrogen peroxide may result in the formation of bromate, which is also a regulated drinking water contaminant.

At the TARP facility, 1,4-dioxane is not being treated, but different options for treatment are currently being examined.

To avoid the formation of bromate, a treatability study is being conducted to evaluate the use of ultraviolet light in place of hydrogen peroxide at TARP. As of October 2011, no final decision has been made on the treatment of 1,4 dioxane for this facility, but it is expected that a final decision will be made in less than a year.



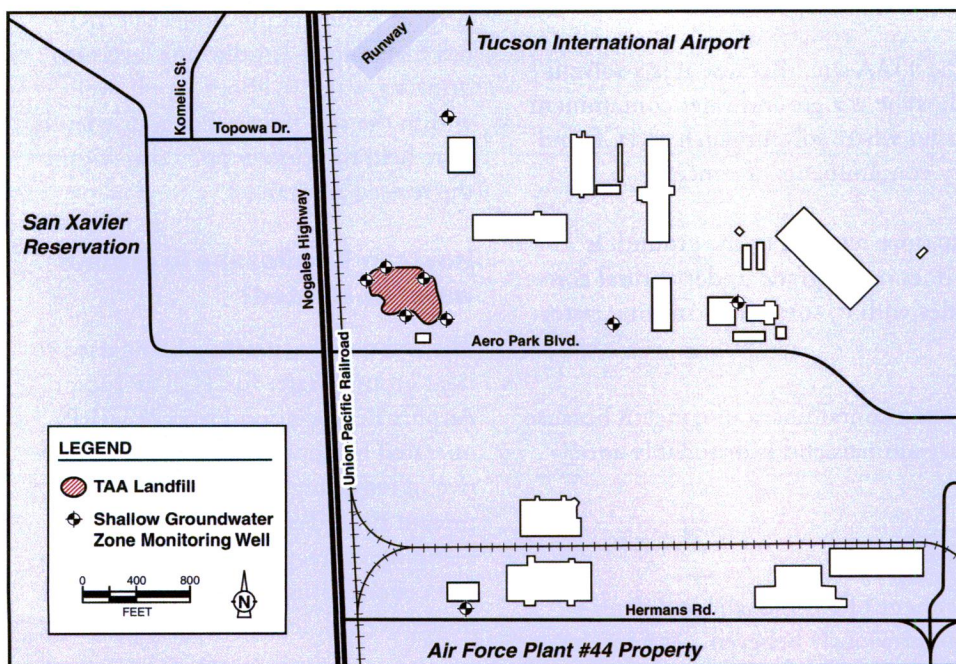


Figure 3: Location of landfill

Landfill Closure at the Tucson Airport Property

In 2011, the Settling Defendants for the Tucson Airport Property completed its construction work associated with the closure of the landfill. The map (above) shows the location of the abandoned landfill. The photos below show the original landfill, the removal of the contents of the landfill, and the final stages of **hydroseeding** on the new soil cap that will allow for natural vegetation to grow at the site. All of this construction work was completed by September 2011 with the final reports associated with the landfill closure expected to be completed by December, 2011.

Tucson International Airport "Area B" Proposed Plan

Area B includes West-Cap, Arizona Air National Guard, and Texas Instruments. Pump and treat systems were used for many years in Area B, and although contamination was reduced, the systems were ineffective in eliminating the shallow groundwater contamination.

Pilot studies were conducted that demonstrate other treatment technologies, such as in-situ chemical oxidation, can be effective in treating the contamination. Therefore, EPA has proposed changing the remedy in Area B in order to achieve the cleanup goal sooner and more effectively.

Using the information from the pilot studies, EPA worked with the Arizona Air National Guard and Texas Instruments to complete a Focused Feasibility Study in 2011. The Focused Feasibility Study compared various alternative treatment technologies to remediate the TCE and perchloroethylene (PCE) in Area B. The document summarizes the projected time to clean up the site and the costs associated with different treatment technologies, such as pump and treat and in-situ chemical oxidation with potassium permanganate.

A Proposed Plan was released and mailed out in late October, 2011, which explains the history of the site and rationale for proposing the change in remedy and sought community input. It is available on the EPA website listed on the last page of this fact sheet. The deadline for public comment was November 30, 2011. A public meeting to solicit comments on the Proposed Plan was held on November 16, 2011.

What's next?

The treatment plant at the Tucson International Airport continues to remove VOC contamination from the groundwater. It has become necessary for Tucson Water to incorporate 1,4-dioxane treatment technology into the TARP facility. Tucson Water is in the process of designing the new 1,4-dioxane treatment system.



Photos of the landfill area before, during and after completion of the landfill, from left to right.

In October 2011, EPA proposed changes to the remedy approach for Area B. EPA recommended that the existing pump & treat technology be replaced by in-situ chemical oxidation for the Arizona Air National Guard (AANG), Texas Instruments facility, and West-Cap facility. EPA believes that cleanup goals could be achieved sooner with the proposed technology. This change in remedial technology would require an amendment to the existing Record of Decision (ROD) for Area B. EPA's decision on whether or not to issue a ROD amendment is expected in March 2012.

Background Information for the TIAA Superfund Site

Air Force Plant 44

Air Force Plant 44 is a U.S. government-owned, contractor operated facility that is currently run by Raytheon Missile Systems Company (formerly known as Hughes Missile Systems Company). In the past the facility used a variety of different chemicals in its industrial process, including TCE as a metals degreaser and chromium in electroplating processes. Hazardous substances generated by plant activities included the following: TCE, **1,1 dichloroethylene** (1,1-DCE), **trichloroethane** (TCA), and **1,4-dioxane**.

A number of actions, including **capping**, excavations and off-site disposal, and **soil vapor extraction**, were performed in the 1990s to address soil contamination. A regional groundwater extraction system and treatment plant addressing the known contaminants of concern began operation in 1987. In addition, the results of on-going studies of **in-situ chemical oxidation** and **biodegradation** of residual soil contamination are being evaluated.

1,4-Dioxane Discovery

The treatment plant, however, does not address **1,4-dioxane**, which was not a known contaminant of concern until 2001. In the early 2000s, improvements in laboratory technology allowed for the detection of 1,4-dioxane down to 1 **part per billion** (ppb). In 2007, after finding 1,4-dioxane in the main groundwater plume, the EPA ordered the Raytheon Company and the Air Force to clean up the 1,4-dioxane contaminating the groundwater at Air Force Plant 44.

The Air Force was required to update its groundwater treatment facility by installing and operating an advanced **oxidation** process (AOP) system to treat 1,4-dioxane and the other contaminants of concern. The 1,4-dioxane contamination entered the groundwater from various sources at the Air Force Plant 44 facility.

The AOP system began fulltime operations in September 2009. The AOP system addresses treatment of all contaminants of concern and also reduces energy usage at the treatment facility. This system replaced the historic **air stripping** towers, once the primary mode of groundwater treatment.

Cleaning up the Shallow Groundwater Zone

The Shallow Groundwater Zone is an area of groundwater on the western side of Air Force Plant 44 that is characterized by higher groundwater levels and contaminant concentrations. The Air Force operated a **dual-phase extraction** system in this area from 1997 to 2008 in an attempt to remove contaminant vapors and contaminated groundwater. This system was effective in removing contaminants in vapor in the **vadose** (or shallow, unsaturated) **zone** but was not a cost-effective cleanup option for groundwater, as contaminant concentrations remained elevated well above cleanup goals after eleven years of operation. Studies to assess the impacts of

contamination in the Shallow Groundwater Zone on regional groundwater quality and to evaluate the potential for **in-situ treatment** of contaminants are currently being performed.

Tucson Airport Remediation Project (TARP)

TARP is a treatment facility that manages a 4-mile long, 1-mile wide plume of comingled groundwater contamination from Air Force Plant 44 and the Tucson International Airport Property.

The treatment plant has been in operation since 1994 and utilizes **air stripping** technology and carbon filtration to remove TCE and all other VOCs from groundwater. As of August 2009, 32.75 billion gallons of water have been cleaned and about 4,000 pounds of TCE have been removed. This system provides clean drinking water to approximately 50,000 residents of Tucson (or about 9% of the municipal water supply).

When 1,4-dioxane was identified at the TIAA Site in 2002, it was detected in groundwater at three of the project areas: the Tucson Airport Remediation Project; Air Force Plant 44; and the Airport Property. Since these discoveries, a groundwater plume of 1,4-dioxane contaminated groundwater has been characterized.

Tucson International Airport

At the Tucson International Airport Property (specifically the Three Hangars building off South Susana St.), VOCs were used for airplane modification and engine part degreasing from 1942 to 1958 and disposed of on Airport Property. **Persistent organic chemicals**, such as **polychlorinated biphenyls** (PCB's), were also used at the site. The Tucson Airport Authority, the City of Tucson, General Dynamics Corporation, and McDonnell Douglas Corporation are responsible for the cleanup of this area, and are referred to as the "Settling Defendants".

In November 2007, the Settling Defendants completed a \$5.5 million treatment facility located immediately south of the Three Hangars site. This treatment system brought TCE levels down from over 1600 ppb to approximately 0.5 ppb. This plant treats both soil vapor (through an SVE system) and groundwater (through a pump and treat system). A reinjection well pumps treated water back into the aquifer. As of November 2009, 10,000 pounds of contaminants have been removed by this treatment plant.

West-Cap

The West-Cap site was a former manufacturer of magnets and film capacitors that operated from the early 1960s until the early 1980s. It is believed that industrial solvents containing VOCs and other contaminants were released through floor drains and leaking drainpipes. These disposal practices resulted in the current groundwater contamination at the West-Cap **Operable Unit**. The size of the contamination plume is currently under evaluation. None of the contaminated groundwater is being served as drinking water.

From about 2000 to 2009, a groundwater pump and treat system was operated by EPA. In 2009, EPA began a pilot test for in-situ chemical oxidation treatment. Test results were presented in the Focused Feasibility Study and a Proposed Plan was issued in October 2011. EPA will soon be issuing a Record of Decision for a new remedy at West-Cap.

Texas Instruments

TCE contamination levels at the Texas Instruments facility, (formerly known as Burr Brown), range from non-detectable to 15 ppb with the cleanup goal of 5 ppb. From 1992 to 2009, the contaminated water was extracted, treated, and used in the manufacturing process. In 2009, Texas Instruments closed manufacturing operations in Tucson. With the shutdown of the plant, there was no more need for treated water for the manufacturing operations. This closure leaves 4 active treatment facilities for the TIAA Superfund site. With EPA approval, in October 2009 Texas Instruments initiated an in-situ chemical oxidation treatability study similar to the one at West-Cap. The Texas Instruments information is also included in the EPA Focused Feasibility Study.

A Proposed Plan describing possible new remedies was issued in October 2011. EPA will soon be issuing a Record of Decision for a new remedy at Texas Instruments.

Arizona Air National Guard

Past operations at the Arizona Air National Guard (AANG) such as fueling and aircraft maintenance activities resulted in the release of hazardous waste contaminating the soil and ground water. A soil vapor extraction system operated from 1997 until 1998, when it was shut down after performance goals were met. A groundwater pump and treat system comprised of eleven extraction wells has been operating since 1997.

Since 2006, the AANG has installed eight additional monitoring wells that are used to evaluate the effectiveness of the existing pump and treat system. In 2009, an in-situ chemical oxidation treatability study was implemented and a decrease in TCE concentrations was observed.

Glossary

1,4-dioxane: An organic chemical used as a stabilizer in solvents and for other purposes including cosmetics, detergents, and shampoos; a probable human carcinogen.

Air Stripping: A treatment system that removes volatile organic compounds (VOCs) from contaminated ground water or surface water by forcing a stream of air through the water, causing the compounds to evaporate.

Aquifer: An underground geologic formation containing groundwater.

Biodegradation: The process of microbes naturally breaking down chemicals into non-toxic byproducts.

Capping: Placing an impermeable layer, such as concrete, over waste as a means of containing and minimizing exposure to contaminants.

Carbon Footprint: A way of calculating carbon dioxide emissions from different activities including emissions from the burning of fossil fuels for energy and from the extraction of raw materials to the final manufacturing of a product.

Chromium: A naturally-occurring element found in rocks, animals, plants, and soil.

Dichloroethylene (1,1-DCE): A volatile organic chemical used as a cleaning agent in chemical manufacturing.

Glossary (Continued)

Dual phase extraction: a technology that uses a high-vacuum system to remove both contaminated groundwater and soil vapor. As the water table around the well is lowered from pumping, newly drained soil is exposed. Contaminants in this exposed soil zone can be removed by vapor extraction. Use of dual-phase extraction can shorten the cleanup time at a site, because the drained soil is often the most contaminated area.

Groundwater: The water found beneath the Earth's surface that supplies wells and springs.

In-situ Chemical Oxidation/Treatment: The introduction of certain chemicals into the ground that break down harmful chemicals.

Operable Unit (OU): A project or project area at an U.S. EPA Superfund site.

Oxidation: The chemical addition of oxygen to break down pollutants or organic waste.

Perchloroethylene (PCE): Also known as tetrachloroethylene, is a VOC used primarily as a solvent and for dry cleaning; probable human carcinogen.

Persistent organic chemicals: Toxic chemicals that adversely affect human health and the environment around the world and do not break down easily.

Plume: A visible or measurable discharge of a contaminant from a given point of origin, such as in groundwater.

Polychlorinated biphenyls (PCB's): A group of toxic, persistent chemicals used in electrical transformers and capacitors for insulating purposes, and in gas pipeline systems as lubricant. The sale and new use of these chemicals, also known as PCBs, were banned by law in 1979.

Potassium Permanganate: Chemical used in in-situ chemical oxidation to clean pollutants from the water.

Soil vapor extraction: Suction system that removes volatile organic compounds (VOCs), such as gasoline, solvents, and other relatively volatile compounds from the soil. The basic system used to accomplish this consists of a vapor extraction well, or a pipe that extends from the surface down to a depth where the soil is contaminated, coupled with blowers or vacuum pumps, which draw air through the contaminated soil up to the surface via the pipe.

Solvent: A liquid or gas substance that is used for industrial, commercial, and household products, such as paint thinners, nail polish, dry cleaning, and detergents.

Superfund site: A contaminated site that has been placed on the National Priorities List, which is EPA's list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under Superfund law.

Tetrachloroethylene (PCE): see Perchloroethylene

Trichloroethane (TCA): A chemical that does not occur naturally in the environment; no longer produced in the U.S.A. because it affects the ozone layer; has many industrial and household uses.

Trichloroethylene (TCE): A VOC used primarily as a solvent to remove grease from metal parts; a probable human carcinogen.

Vadose Zone: Also termed the "unsaturated zone", the subsurface between the land surface and the top of the water table. The pores between sediments in the vadose zone contain both air and water.

Volatile Organic Compounds (VOC): Primarily solvents most commonly used in dry cleaning, machinery de-greasing, and metal plating industries. They evaporate easily once exposed to air and tend to be only partially soluble in water.



Tucson International Airport Area Superfund Site

For More Information

If you are interested in having EPA do a presentation for a group, or have any questions regarding the Tucson Airport Superfund Site, please contact Leana Rosetti (contact information below).

Site Contacts

If you have questions or comments regarding the Tucson International Airport Area Superfund Site, please contact:

Martin Zeleznik

EPA Site Manager (SFD-6-2)
75 Hawthorne Street
San Francisco, CA 94105
415-972-3543
Zeleznik.Martin@epa.gov

Marc Herman

ADEQ Project Manager
400 W. Congress St., Suite 433
Tucson, Arizona 85701
520-628-6740
mh15@azdeq.gov

Leana Rosetti

EPA Community Involvement
Coordinator (SFD-6-3)
75 Hawthorne Street
San Francisco, CA 94105
415-972-3070
Rosetti.Leana@epa.gov

You may also call EPA's toll-free
Superfund hotline and leave a mes-
sage that will be forwarded to the
appropriate EPA staff. The hotline
number is 1-800-231-3075.

The public information repository for the site can be found at:

Tucson Public Library

El Pueblo
Neighborhood Center
101 W. Irvington
Tucson, AZ 85714
520-791-4733

Web Site

Links to some documents
and a general site overview
can also be found at:

[www.epa.gov/region09/
tucsonairport](http://www.epa.gov/region09/tucsonairport)

Unified Community Advisory Board (UCAB)

The UCAB meets
quarterly to discuss site
cleanup activities and
the public is welcome.
The next meeting will
be April 18, 2012 in
the Activities Room of
the El Pueblo Center at
101 W. Irvington Rd.,
Tucson, 5:45-7:45 pm.

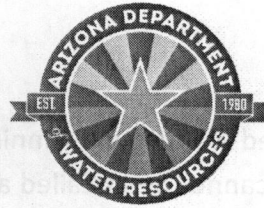
Versión en español adentro

United States Environmental Protection Agency, Region 9
75 Hawthorne Street (SFD-3)
San Francisco, CA 94105
Attn: Leana Rosetti (TIAA 1/12)

FIRST-CLASS MAIL
POSTAGE & FEES
PAID
U.S. EPA
Permit No. G-35

Official Business
Penalty for Private Use, \$300

Address Service Requested



JANICE K. BREWER
Governor

MICHAEL J. LACEY
Director

ARIZONA DEPARTMENT of WATER RESOURCES
3550 North Central Avenue, Second Floor
Phoenix, Arizona 85012-2105
602.771.8500
azwater.gov

December 10, 2014

Gregory Moore
Rio Viejo Partners, LLC
2455 East Speedway, Suite 101
Tucson, AZ 85719

Subject: Notice of Intent to Drill a Well, Registration #55-224069

Dear Mr. Moore:

The Arizona Department of Water Resources (Department) received your letter dated November 25, 2014 regarding your *Notice of Intent to Drill, Deepen, Replace or Modify a Well* (NOI), well registration number 55-224069, pursuant to A.R.S. § 45-596. The proposed well is an exempt well, and part of the land on which the well is to be drilled is within 100 feet of the City of Tucson's operating water distribution system (Tucson Water). Because the City of Tucson has an assured water supply designation, the drilling of the well is prohibited by A.R.S. § 45-454 (C), unless one of the exemptions listed in A.R.S. § 45-454(D) applies.

Accompanying the NOI was a *Certification to Drill an Exempt Well within an AMA pursuant to A.R.S. § 45- 454 (C) & (D)* form. On the form, you selected Exemption #2. This exemption, provided by A.R.S. § 45-454(D)(2), allows an exempt well to be drilled on land within 100 feet of the operating water distribution system of a municipal provider with an assured water supply designation if the total capital cost and fees for connection to the operating water distribution system exceed the total capital costs and fees associated with drilling and equipping the exempt well.

In an effort to demonstrate that you qualified for Exemption #2, you included documentation from Tucson Water pertaining to the costs associated with connecting your parcel to its potable water distribution system. The proposal included costs and fees for installing a meter at each

apartment residence along a proposed water main running through your parcel. According to Tucson Water, the individual meters cannot be installed along a private water main, but will be required to be installed at the parcel boundaries closest to the existing water distribution system. Due to the unusual shape and configuration of your parcel, the municipal meters would be placed at the eastern and southern boundaries of the parcel. It is questionable as to whether there is sufficient space for such installation.

In order for the Department to make a determination as to whether you qualify for an exemption pursuant to A.R.S. § 45-454(D)(2), the cost comparison presented must include the total capital cost and fees associated with a viable option to connect to Tucson Water's potable water distribution system. Given Tucson Water's concern described above, the proposal and associated costs currently presented are not the type of cost and fees that may be considered for an exemption under A.R.S. § 45-454(D)(2), given the lack of viability of such a proposal. Based on the foregoing, please provide an updated cost comparison for a viable alternative for connecting your property to Tucson Water's potable water distribution system and the full costs of drilling and equipping a well.

For your convenience, enclosed with this letter are blank replacement *Notice of Intent to Drill, Deepen, Replace or Modify a Well* and *Certification to Drill an Exempt Well within an AMA pursuant to A.R.S. § 45-454(C) & (D)* forms to be completed and submitted to the Department.

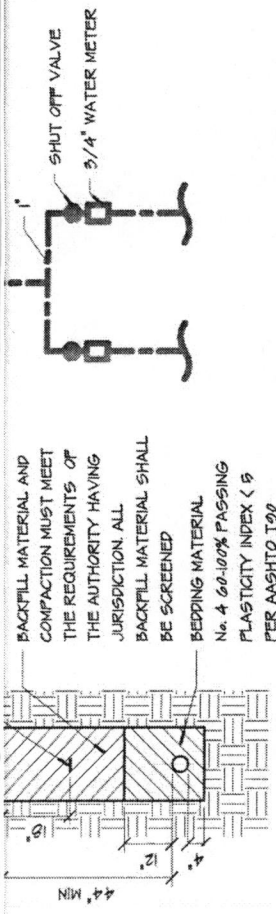
Please respond within sixty (60) days of the date of this letter. Failure to submit the information requested within 60 days may result in the denial of the application. The Department's administrative review time frame is suspended until all of the requested information is provided. If you have any further questions, please contact David Christiana, at 602-771-8548 or by email at dgchristiana@azwater.gov.

Sincerely,

Michael J. Johnson, Ph.D, P.E.

Assistant Director

Enclosures: 1. *Notice of Intent to Drill, Deep, Replace or Modify a Well*
 2. *Certification to Drill an Exempt Well within an AMA Pursuant to A.R.S. § 45-454(C) & (D)*



WATERLINE TRENCH D4 NTS
WATER METER D5 NTS

WHEN NECESSARY, BECAUSE OF SPACE LIMITATIONS OR FOR TRENCH SAFETY AND/OR THE PROTECTION OF EXISTING ADJACENT ABOVE OR UNDERGROUND FACILITIES, TRENCH SHORING AND/OR SHEETING IS INSTALLED. THE SHORING AND/OR SHEETING SHALL COMPLY WITH CURRENT OSHA REGULATIONS.

ALAMOSA "A"

- 2 W/C 22" = 4.4
- 3 LAV 0.7" = 2.1
- 2 TUB 1.4" = 2.8
- 1 SINK 1.4" = 1.4
- 1 D/W 1.4" = 1.4
- 1 WASHER 1.4" = 1.4
- 2 H-B 1" = 2.0

5/8" meter

BOULDER "B"

- 2 W/C 22" = 4.4
- 3 LAV 0.7" = 2.1
- 2 TUB 1.4" = 2.8
- 1 SINK 1.4" = 1.4
- 1 D/W 1.4" = 1.4
- 1 WASHER 1.4" = 1.4
- 2 H-B 1" = 2.0

5/8"

ELDORADO "E"

- 2 W/C 22" = 4.4
- 2 LAV 0.7" = 1.4
- 2 TUB 1.4" = 2.8
- 1 SINK 1.4" = 1.4
- 1 D/W 1.4" = 1.4
- 1 WASHER 1.4" = 1.4
- 2 H-B 1" = 2.0

5/8"

FRISCO "F"

- 2 W/C 22" = 4.4
- 3 LAV 0.7" = 2.1
- 2 TUB 1.4" = 2.8
- 1 SINK 1.4" = 1.4
- 1 D/W 1.4" = 1.4
- 1 WASHER 1.4" = 1.4
- 2 H-B 1" = 2.0

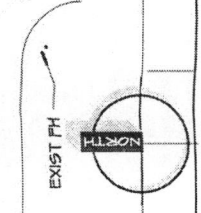
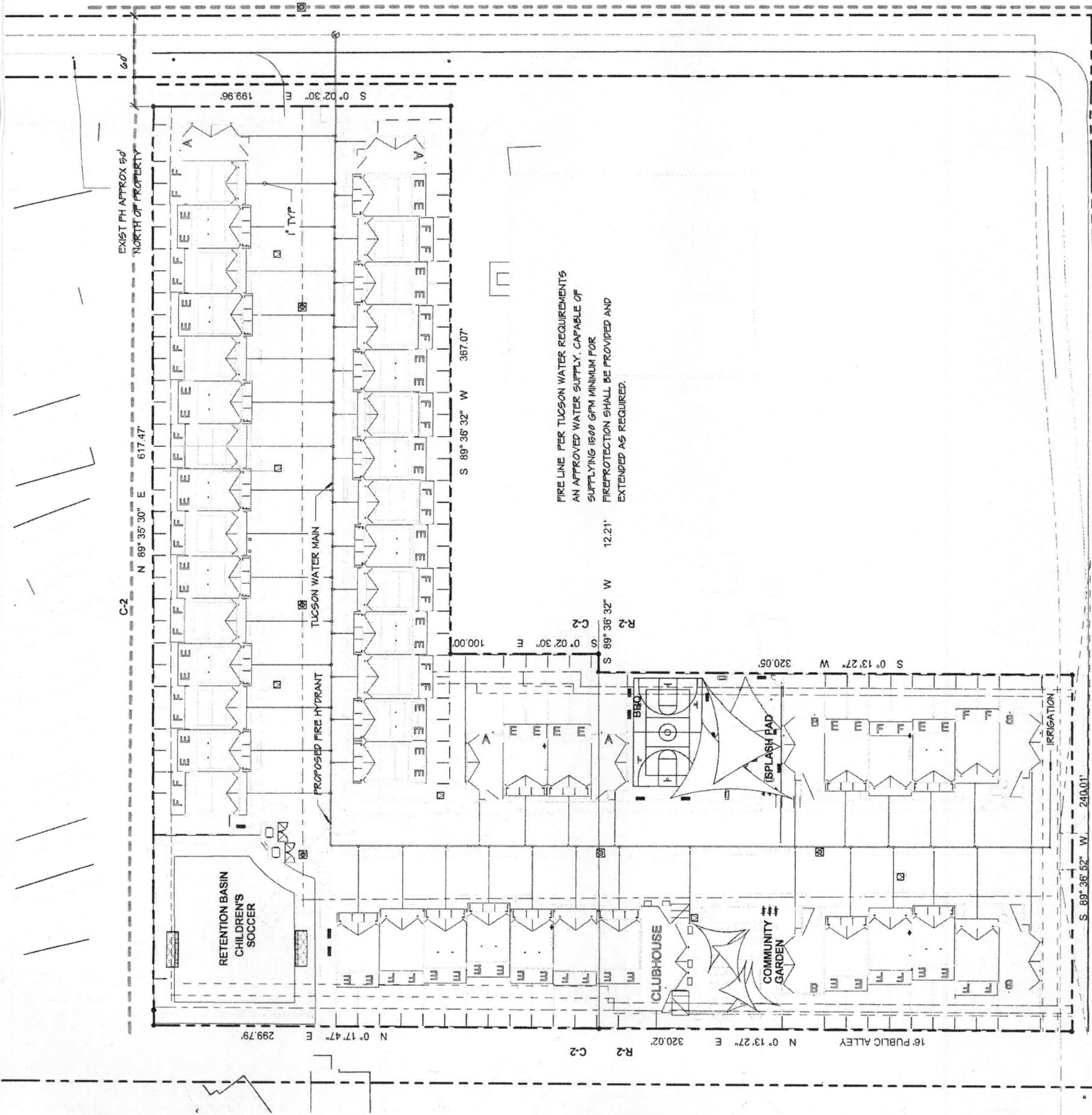
5/8"

CLUBHOUSE

- 2 W/C 5.0" = 10
- 2 LAV 2.0" = 4.0
- 1 SINK 4.0" = 4.0
- 2 H-B 1" = 2.0

3/4" meter

SLASHPAD
1 - 1" WATER METER
IRRIGATION
1 - 1" WATER METER
APARTMENTS
101 - 3/4" WATER METERS

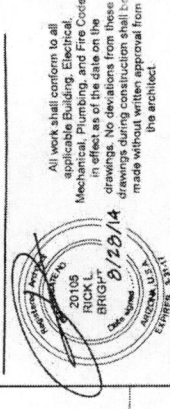


WATER SITE PLAN

1" = 40'-0"

BRIGHT DESIGN ASSOCIATES
A PROFESSIONAL LIMITED LIABILITY COMPANY
660 S. Country Club
Tucson, Arizona 85716
Tel 520.529.1878
Fax 520.292.1142

E-MAIL: rbright@brightdesignassoc.com
www.brightdesignassoc.com



- DEVELOPMENT PLAN
- UNIT ELEVATIONS
- SEWER SITE PLAN
- SEWER PLAN AND PROFILE
- SEWER DETAILS
- WATER SITE PLAN
- ELECTRICAL SITE PLAN
- UTILITY PLAN
- PHASING PLAN
- GRADING PLAN
- GRADING PLAN
- GRADING PLAN
- BUILDING GRADING PLAN
- OPEN SPACE GRADING PLAN
- HORIZONTAL CONTROL PLAN
- HORIZONTAL CONTROL PLAN
- HORIZONTAL CONTROL PLAN
- SITE DETAILS
- SITE DETAILS
- SITE DETAILS
- SITE DETAILS
- NPP PLAN
- NPP PLAN TABLES
- PLANTING PLAN
- IRRIGATION PLAN

RIO VIEJO APARTMENTS

BLOCK 1 RIO VIEJO APARTMENTS

RIO VIEJO PARTNERS LLC

Mark	Date	Description

Project number: 1111
Date: 8/28/2014
Drawn by: BRIGHT
Checked by: BRIGHT
Copyright Bright Design Associates, PLC
Sheet Title: WATER SITE PLAN



Arizona Department of Water Resources
Water Management Division
P.O. Box 36020 Phoenix, Arizona 85067-6020
(602) 771-8500 • (602) 771-8690 fax
• www.azwater.gov •

Notice of Intent to
Drill, Deepen, Replace or Modify a Well
(except a Non-Exempt Well in an Active Management Area)

\$150 or
\$100 FEE

- ❖ Review instructions prior to completing form in black or blue ink.
- ❖ You must include with your Notice:
 - Check or money order in the amount of the appropriate filing fee.
 - For a well located within an AMA or INA, the fee is \$150.00.
 - For a well not located within an AMA or INA, the fee is \$100.00 if the well will be used solely for domestic purposes (see page 2 and instructions) and will have a pump with a maximum capacity of not more than 35 gallons per minute. Otherwise, the fee is \$150.00.
- ❖ Authority for fee: A.R.S. § 45-596 and A.A.C. R12-15-104.

AMA/INA E	B TUC 16	FILE NUMBER D(15-14)6CBD
RECEIVED 10-24-2014	DATE 09	WELL REGISTRATION NUMBER 55-224069
ISSUED 016	DATE —	WQARF —
CERCLA —	LEGAL REVIEW IF APP —	REASONING —

SECTION 1. COUNTY OR LOCAL HEALTH AUTHORITY APPROVAL (if applicable)

If water from the proposed well will be used for domestic purposes on a parcel of land of 5 or fewer acres, the applicable county or local health authority must endorse all items in Section 1 within one year before submission to the Department of Water Resources. You must also attach a site plan (pg. 3).

CHECK ONE

- ☐ County or Local Health Authority Recommends Approval (pursuant to A.R.S. § 45-596 (G) and (F))
- ☐ Field Inspection Performed
- ☐ Site Plan Review Only
- ☐ Insufficient Information to Make a Determination

Official County or Local Seal or Stamp

RECEIVED

OCT 24 2014

COUNTY OR LOCAL AUTHORITY NAME AND TITLE

TELEPHONE NUMBER

DATE

COUNTY OR LOCAL AUTHORITY SIGNATURE

SECTION 2. REGISTRY INFORMATION

Well Type

CHECK ONE

☒ Exempt

(Pump has a maximum capacity of not more than 35 gpm and water is not used for irrigation purposes inside an AMA.)
(See instructions.)

☐ Non-Exempt

(Pump has a maximum capacity of more than 35 gpm and the well is located outside an AMA.)
(See instructions.)

DESIGN PUMP CAPACITY

≤35 Gallons Per Minute

Proposed Action

CHECK ONE

☒ Drill New Well

☐ Deepen

☐ Replace

☐ Modify

If Deepening, Replacing or Modifying:
ORIGINAL WELL REGISTRATION NUMBER

55 -
MAXIMUM CAPACITY OF ORIGINAL WELL

Gallons Per Minute

DISTANCE & DIRECTION FROM ORIGINAL WELL

Feet

Location of Well

WELL LOCATION ADDRESS (IF ANY)
5418 S. Park Ave.

COUNTY WHERE WELL IS LOCATED:
Pima

TOWNSHIP (N/S) 15 S	RANGE (E/W) 14 E	SECTION 6	160 ACRE SW 1/4	40 ACRE NW 1/4	10 ACRE SE 1/4
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COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK **140**

MAP **19**

PARCEL **2770**

OF ACRES
5.18

Place of Water Use (Mandatory information, see instructions.)

Is the groundwater basin where the well will be drilled the same as the place where the water will be used?

Yes	No
<input checked="" type="checkbox"/>	<input type="checkbox"/>

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE

SECTION 3. OWNER INFORMATION

Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL
Rio Viejo Partners LLC

MAILING ADDRESS

2455 E. Speedway #101

CITY / STATE / ZIP CODE

Tucson, Arizona 85719

CONTACT PERSON NAME AND TITLE

Gregory Moore

TELEPHONE NUMBER

(520) 326-4858

FAX

(520) 795-0967

Landowner (if different from Well Owner)

FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL
Same

MAILING ADDRESS

CITY / STATE / ZIP CODE

CONTACT PERSON NAME AND TITLE

TELEPHONE NUMBER

FAX

SECTION 4.

Questions

Yes

No

If Yes:

1. Is the proposed well site within 100 feet of a septic tank system, sewer disposal area, landfill, hazardous materials or petroleum storage area or tank?

X

You must also request a variance (A.A.C. R12-15-818).

2. Is there another well name or identification number associated with this well (e.g., Lot 35 Well, Smith Well, etc.)?

X

PLEASE STATE

3. Is the proposed well a NEW well to be located within an Active Management Area? (See instructions.)

X

Unless the well is a replacement well and the total number of operable exempt wells on the land is not increasing, you must also file a supplemental form A.R.S. § 45-454(C) & (D).

4. Is the proposed well the second exempt well on this parcel for the same use?

X

If the proposed well is in an Active Management Area, you must also file a supplemental form A.R.S. § 45-454(I).

Notice of Intent to Drill, Deepen, Replace or Modify a Well

WELL REGISTRATION NUMBER

55 - 224069

SECTION 5. DRILLING AUTHORIZATION

Drilling Firm

NAME

Azca Drilling & Pump Inc

DWR LICENSE NUMBER
621

ROC LICENSE NUMBER
A Gen 135159

TELEPHONE NUMBER
928-923-9118

FAX
928-923-9118

MAILING ADDRESS
P.O. Box 570

GLENDA

CITY / STATE / ZIP CODE
Ehrenberg, AZ

DATE CONSTRUCTION IS SCHEDULED TO BEGIN
Jan 2015

SECTION 6. WATER / SITE INFORMATION

Principal Use of Water

CHECK ONE

- ☐ Irrigation
☐ Commercial
☒ Domestic
☐ Municipal
☐ Industrial
☐ Stock
☐ Remediation
☐ Dewatering
☐ Other* (please specify):

Other Uses of Water

CHECK ALL THAT APPLY

- ☐ Irrigation
☐ Commercial
☐ Domestic
☐ Municipal
☐ Industrial
☐ Stock
☐ Remediation
☐ Dewatering
☐ Other* (please specify):

NOTE: If this is a Notice of Intent to construct a new well that will be used for the purpose of withdrawing groundwater for transportation to an Active Management Area (AMA) pursuant to A.R.S. § 45-552, 45-553, 45-554 or 45-555(A), the authorization to drill the well issued in association with this Notice **shall not be considered the approval to transport groundwater to an AMA.** (see instructions.)

SECTION 7. PROPOSED WELL CONSTRUCTION DESIGN (attach separate sheet if needed)

Borehole			Casing														
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)						GROUTING MATERIAL	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE		
0	20	14	+1	20	8 5/8	X*				X							Cement
20	300	7 7/8	+2	300	6		X			X							
300	500	7 7/8	300	500	6		X							X			0.030

* ADWR well construction standards require a surface seal consisting of a minimum of 20 feet of steel casing. Cement grout must be used to fill the annular space between the surface casing and the borehole. (A.A.C. R12-15-811(B))

The Department's issuance of an authorization to drill a well is not a determination of whether water withdrawn from the well is legally surface water or groundwater. The legal nature of the water withdrawn from the well may be the subject of court action in the future as part of a determination of surface water rights in your area. If there are court proceedings that could affect your well, you will be notified and be given the opportunity to participate. If you have questions regarding the legal nature of the water to be withdrawn from your proposed well, please consult with an experienced civil engineer, hydrologist or water rights attorney.

For the purposes of determining appropriate fees outside AMAs or INAs, "domestic purposes" is defined as "uses related to the supply, service and activities of households and private residences and includes the application of water to less than 2 acres of land to produce plants or parts of plants for sale or human consumption, or for use as feed for livestock, range livestock or poultry, as such terms are defined in A.R.S. § 3-1201."

SECTION 8. OPTIONAL BY PROPERTY OWNER AND WELL OWNER ONLY

☐ By checking this box, I hereby provide ADWR permission to enter the property for the purpose of taking water level measurements at this well. (See instructions.) Not applicable

SECTION 9. WELL OWNER AND PROPERTY OWNER SIGNATURE

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

TYPE OR PRINT NAME AND TITLE

Rio Viejo Partners, LLC, by Southwest Nonprofit Housing Corporation, by

SIGNATURE OF WELL OWNER

Gregory Moore, President

DATE

10/23/2014

SIGNATURE OF LANDOWNER, IF APPLICABLE (SEE INSTRUCTIONS)

DATE

Notice of Intent to Drill, Deepen, Replace or Modify a Well

WELL REGISTRATION NUMBER
55 - 224069

CHECK ONE: ☐ FILING MANUALLY
☐ FILING ELECTRONICALLY*

*DRILLER'S E-MAIL ADDRESS:

***COUNTY OR LOCAL HEALTH AUTHORITY APPROVAL CODE**

COUNTY APPROVAL CODE

If applicant is filing this NOI electronically via the ADWR website and County approval is required, please indicate approval by providing a County Approval Code.

WELL SITE PLAN

NAME OF WELL OWNER

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK

140

MAP


19

PARCEL

2770

- ❖ If this well will be a domestic well on 5 acres or less, please draw the following: (1) the boundaries of your property; (2) the proposed well location; (3) the locations of all septic tank systems and sewer systems on the property or within 100 feet of the well location, even if on neighboring properties; and (4) any permanent structures on the property that may aid in locating the well. If the parcel is vacant land or lacks a septic tank or sewer system, please indicate this.
- ❖ Indicate the distance between the proposed well location and any septic tank system or sewer system.

Not required since well is on more than five acres.



1" = ____ ft

COUNTY OR LOCAL AUTHORITY NAME AND TITLE

Official County or Local Seal or Stamp

COUNTY OR LOCAL AUTHORITY SIGNATURE

TELEPHONE NUMBER

DATE

ASSESSOR'S RECORD MAP

140-19

RIO VIEJO APARTMENTS

BLOCK 001

1/4 COR SEC 06
T2S R2E

(RESUB 65/019 M&P)

BOOK 07, PAGE 002 M&P

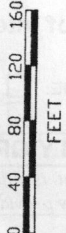
MORRISON MEMORIAL

EMERY PARK UNITS 6
BOOK 05, PAGE 020 M&P

SEE S020133580252
2014-1

S06.T155.R14E

S020133580252-04/01145



UNSUBDIVIDED

BANTAM ROAD

N 89°48'38" E 1321.78'

OLD NEBRASKA WASH

N 89°55'32" E

625.47'

1360.15'

100.25'

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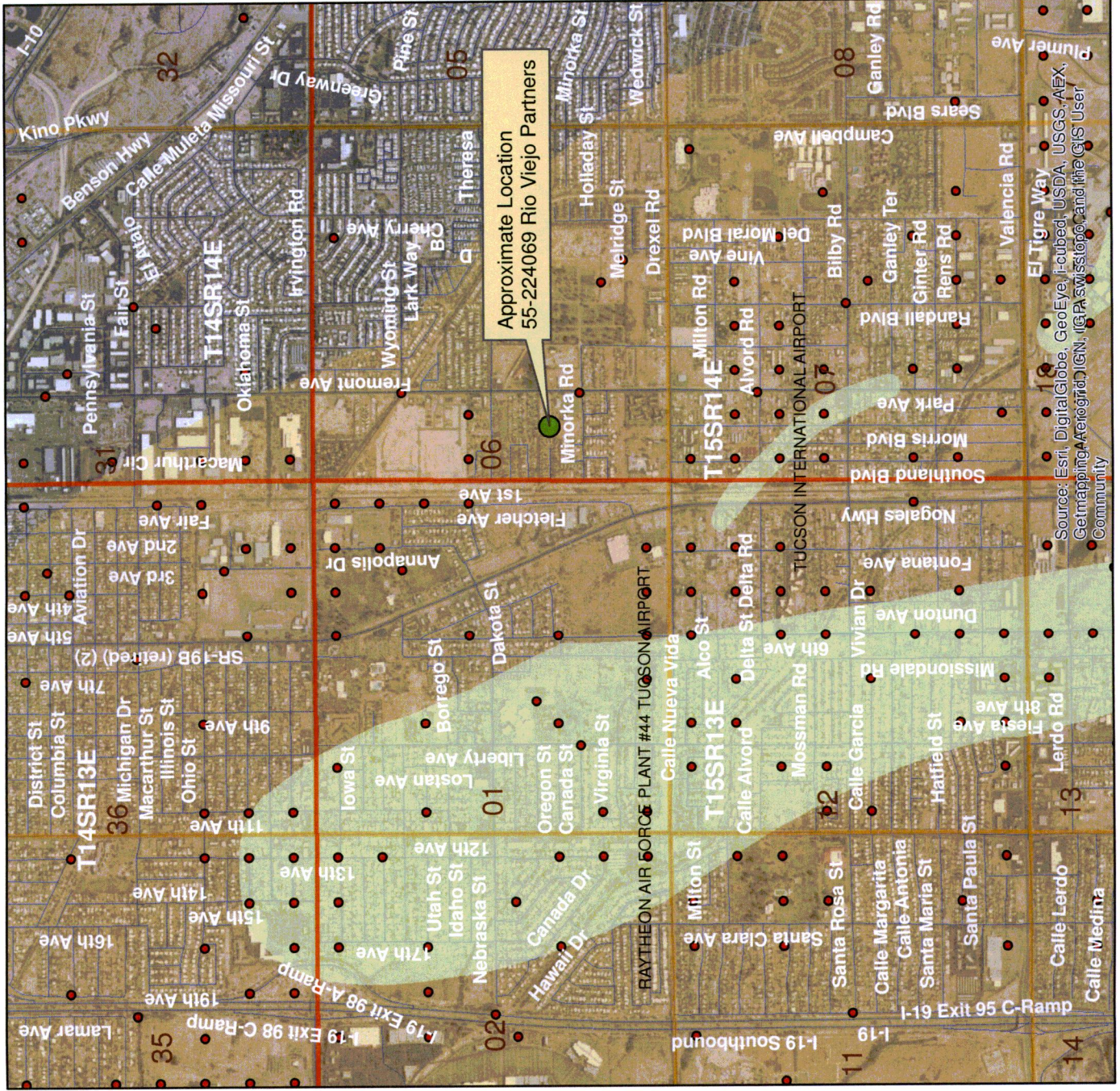
Rio Viejo Partners, LLC NOI To Drill a Domestic Well 55-224069 D(15-14)6CBD

Legend

- Subject Well(s)
- Registered Wells
- Township/Range
- Section
- Remedial Action Site (2014)
- Remedial Action Site Buffer



N Coordinate System: NAD 1983 UTM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983



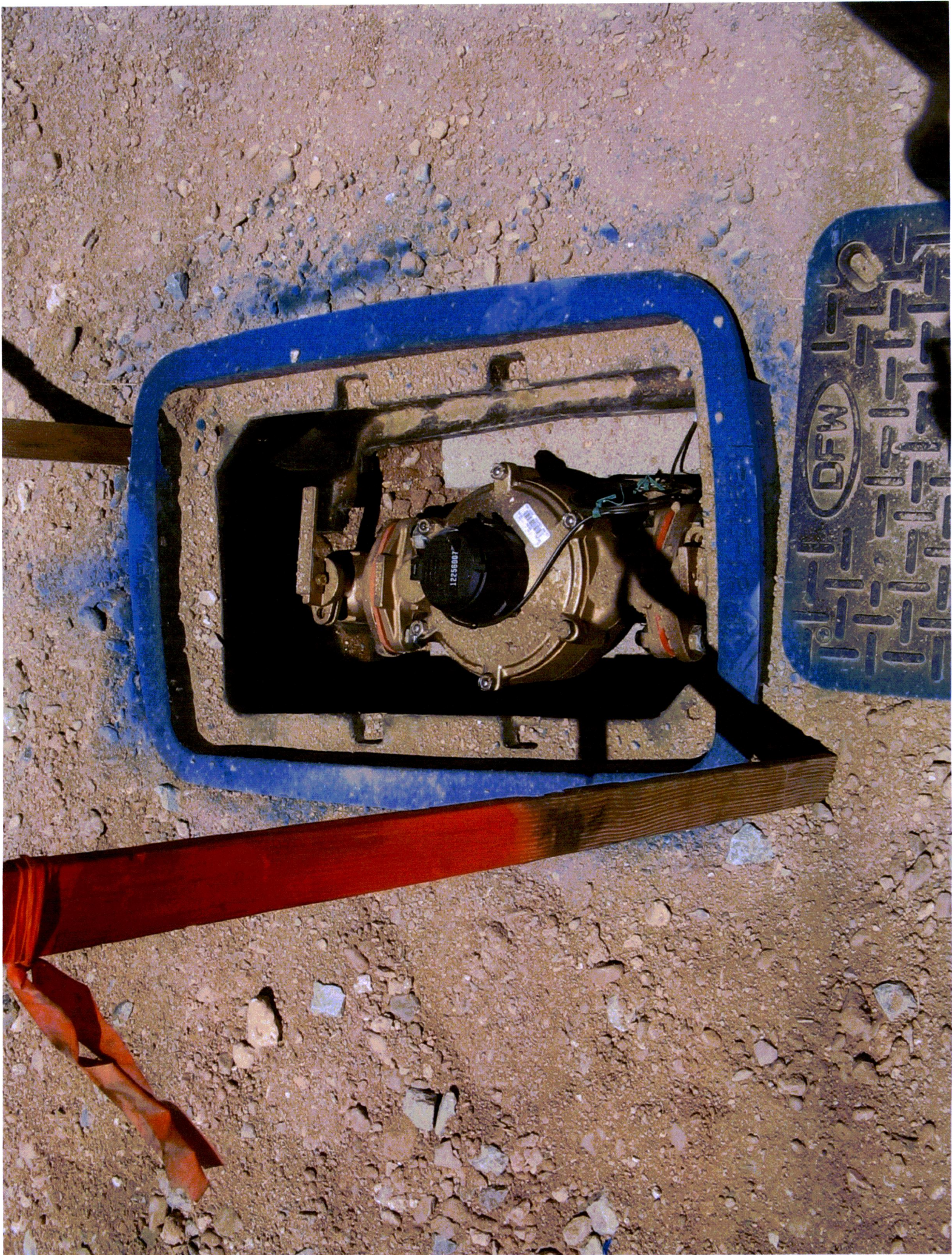
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, iGPS, Swisstopo, and the GIS User Community

Stella A. Murillo

From: Chuck Faas <Chuck.Faas@tucsonaz.gov>
Sent: Wednesday, April 29, 2015 2:46 PM
To: Stella A. Murillo
Subject: Photos
Attachments: IMG_2101.JPG; IMG_2102.JPG; IMG_2106.JPG

FYI

See attached photos taken today at 5418 S Park Ave which is associated with well application 55-224069. The installation of a 1-1/2" Tucson Water water meter was completed on Monday for the proposed Rio Viejo Apartments located at 5418 S. Park Ave. Attached is a photo of the recently installed water meter. The parcel is owned by Rio Viejo Partners LLC. The site was being graded today and also included is a photo of the site being graded and the grading permit posted on the site.







CITY OF TUCSON

Development Services Department

201 N. STONE AVENUE, 1ST FLOOR TUCSON, AZ 85701
PHONE: (520) 791-5550

CITY OF TUCSON GRADING PERMIT

ACTIVITYDP15-0060

ADDRESS: 5418 S PARK AV TUCSON PARCEL NUMBER: 140-19-2770

DESCRIPTION: RIO VIEJO APTS BLK 1 SQ20133580252 - 90087

PERMITS-RANGE-SECTION: 15-14E-06

ZONING:

TYPE OF APPLICATION: DOTH

PERMIT: DEVPKG
NUMBER:

DESCRIPTION OF PROPOSED WORK: GRADING- Rio Viejo Apartments

THE PLANS AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION FOR THIS PERMIT, AS APPROVED BY THIS DEPARTMENT, MAY NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT THE WRITTEN APPROVAL FROM THIS DEPARTMENT AND SHALL BE DONE IN ACCORDANCE WITH THE APPROVED PLANS.

THE PERMIT BECOMES NULL AND VOID IF WORK OR CONSTRUCTION DOES NOT START WITHIN 180 DAYS OR IF WORK OR CONSTRUCTION IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AT ANY TIME AFTER WORK IS COMMENCED. SUCH PERMIT SHALL BE EVIDENCED BY A RECORDED REQUEST FOR INSPECTION. THE PERMIT HOLDER HAS THE OBLIGATION TO DETERMINE THE LOCATION OF EXISTING UNDERGROUND UTILITIES, SEWAGE DISPOSAL SYSTEMS OR OTHER UTILITIES THAT MAY INTERFERE WITH THE WORK AUTHORIZED BY THIS PERMIT.

THE PERMIT HOLDER HEREBY CERTIFIES THAT I HAVE READ AND EXAMINED THIS PERMIT AND KNOW THE INFORMATION TO BE CORRECT. ALL PROVISIONS OF LAWS AND ORDINANCES GOVERNING THIS WORK WILL BE COMPLIED WITH WHETHER HEREIN OR NOT. THE GRANTING OF A PERMIT DOES NOT PRESUME TO GIVE THE AUTHORITY TO VIOLATE OR VIOLATIONS OF ANY STATE OR LOCAL LAW REGULATING CONSTRUCTION OR THE PERFORMANCE OF CONSTRUCTIONS OF TIVES OF THIS DEPARTMENT MAY ENTER UPON THE PROPERTY FOR THE PURPOSE OF CONDUCTING INSPECTIONS OF

LICENSED CONTRACTOR: I HEREBY AFFIRM THAT I AM A CONTRACTOR LICENSED AND